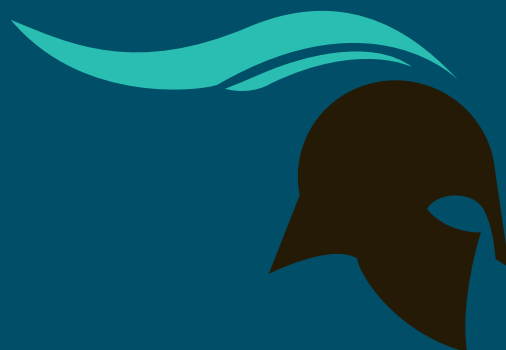


PRODUCT & SERVICE CATALOG



SPARTAN
INDUSTRIAL MARINE

www.SPARTANMARINE.ca

Whether you are hard at work offshore or relaxing in local waters—Spartan Industrial Marine is your source for high quality marine products and services. We offer a wide range of solutions to those with industrial, commercial and recreational marine interests.

For over 45 years, Spartan Industrial Marine (formerly Industrial Marine Products division of IMP Group Ltd.), has been Canada's largest manufacturer and supplier of commercial fishing, marine safety and industrial products and services. Over the years we have maintained an ongoing commitment to be the most experienced industrial marine product and service supplier while consistently exceeding customer expectations.

Today that tradition continues as we pay close attention to our customers needs and provide high quality marine products for the largest ocean vessels and the smallest personal watercraft.



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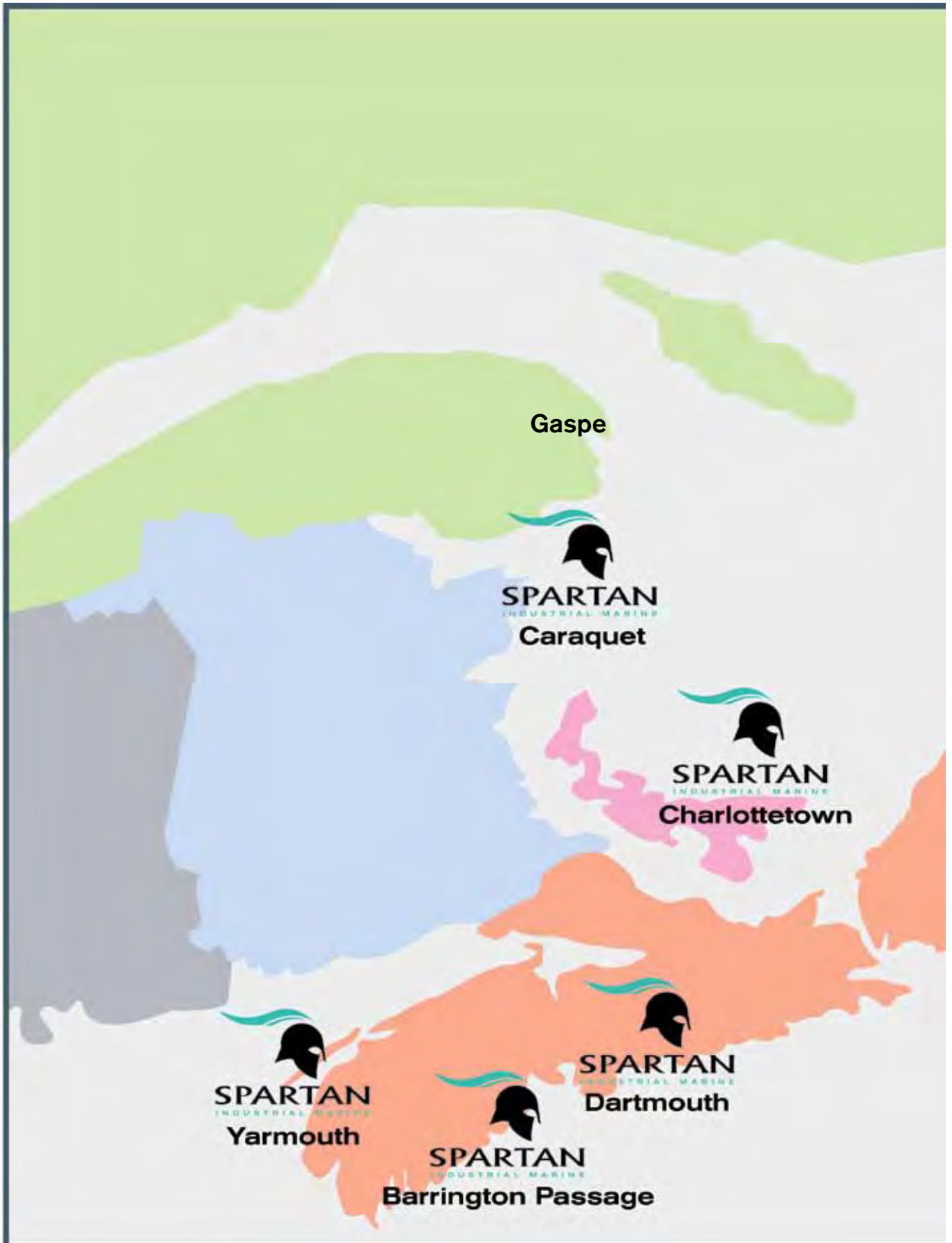
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New Accounts

Credit applications will be supplied upon request. Credit will be granted at the sole discretion of Spartan Industrial Marine ("Spartan Marine") Approved orders will be processed as received.

Terms

Customers that have established a credit account with Spartan Marine and remain in good standing will have orders shipped on a NET 30 DAY basis. Interest at a rate of 2% per month (24% per annum) will be applied on all overdue accounts.

How to Order

Contact a Spartan Marine branch and provide the proper 8 digit item number to ensure speed and accuracy with processing and shipping requirements. To find the Spartan Marine branch nearest you, visit our website www.spartanmarine.ca and click on the Contact Us link. You can also contact customer service by phone at 1-902-468-2111, by fax at 1-902-468-3077 or by email at info@spartanmarine.ca for information about products and services in your area. All special ordered items, including manufactured items, are produced or purchased for that specific client and may not be returned for refund under most circumstances. Special accommodations may be negotiated, but are subject to additional handling fees as deemed appropriate by Spartan Industrial Marine.

Pricing & Freight Terms

All prices are quoted F.O.B. Spartan Marine unless otherwise stated. Spartan Marine's responsibility ceases upon delivery to the transportation company at shipping point. It is the purchaser's responsibility to examine the shipment upon arrival to ascertain if all items are in good order. Any shortage or damage must be noted on the transportation bill before signing for the goods. Damages occurring during shipping under these terms are subject to the carrier's specific policies and may be limited by weight or otherwise. Goods and Services Tax, or Harmonized Sales Tax, are not included in prices. Prices are subject to change without notice. Any claim for shortages must be presented in writing to Spartan Marine within 10 days of receipt of the shipment.

Shipping Requirements

Postal restrictions limit any one parcel to 30 kg maximum weight and 2 metres maximum length. Liquids, including paint, pressurized containers and flares cannot be shipped by mail. Some carriers may assess a dangerous goods fee for the transport of these goods. All parcels which exceed these restrictions will be shipped, where reasonable, by best possible by truck or courier.

Return of Goods

Merchandise may not be returned without prior Spartan Marine authorization, which can be withheld at Spartan Marine's sole discretion. All returns must be sent pre-paid and will only be accepted in their original packaging and in sellable/returnable condition including all original packing slips and the warranty certificate (if applicable). Returns are accepted up to 30 days after shipment, after which returns may be refused at the discretion of Spartan Marine. All returns are subject to a 15% handling charge. All conditions pertaining to returned merchandise must be strictly adhered to in order to receive credit.

Warranty

Merchandise under manufacturers' warranty found to be defective must be returned to Spartan Marine intact with all parts, documentation, warranty papers (if applicable) and proof of purchase. The goods are subject to the terms and conditions of any applicable manufacturer's warranty.

No express, implied nor statutory warranty is made nor granted by Spartan Marine with respect to the products including without limitation to any implied warranties of merchantability and fitness for a particular purpose. In no event will Spartan Marine be liable for any indirect, special, incidental or consequential damages.

Your Privacy

Your privacy is important to us. Spartan Marine is committed to maintaining the accuracy and confidentiality of your personal information and respecting your privacy through the protection of that information.

- We will limit the collection of your personal information to only those details that are necessary for the purposes identified.
- Your personal information will only be used or disclosed for the purpose for which it was collected, unless you have otherwise consented, or when required or permitted by law. We will only retain your personal information for the period time required to fulfill the purposes for which it was collected.
- We will protect your personal information we collect in a manner appropriate to the sensitivity of the information.
- At your request, we will inform you of the existence, use and disclosure of your personal information. You have the right to challenge the accuracy and completeness of your information, and to amend it to correct it as necessary.



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BOAT MAINTENANCE

Premier Paint



atlantic

PEINTURE MARINE PAINT

Fluorescent Enamel

Interior/exterior daylight fluorescent alkyd enamel for application where high visibility is required. Mat-Glo is ideal for use as a safety marking and for use on fire protection and life saving equipment, buoys and navigational aids. It is essential to apply a coat of Matchless 709 White Undercoat on a surface previously prepared with one of the suggested primers

Per quart:

Flame Orange 44220003 Swatch #2101	Fire Red 44230012 Swatch #2103	Flare Orange 44220004 Swatch #2104	Signal Green 44220123 Swatch #2105	Impact Yellow 44220124 Swatch #2107	Ember Pink 44210042 Swatch #2108	Lightening Yellow 44220125 Swatch #2109	Horizon Blue 44220094 Swatch #2110
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Atlantic Marine Paints

Premier paint. Resists cracking, fading and discolouring. Excellent hiding power, super adhesion and salt water resistance. Dries fast. Hard and smooth finish allows water to easily run off. Specially formulated for application in cold weather

Copper Bottom Red Quart 44340029 Gallon 44340028 Swatch #511-605	Red Quart 44340023 Gallon 44340022 Swatch #511-702	Orange Quart 44340025 Gallon 44340024 Swatch #511-603	Yellow Quart 44340033 Gallon 44340032 Swatch #511-607
Green Quart 44340035 Gallon 44340034 Swatch #511-608	Dark Blue Quart 44340041 Gallon 44340040 Swatch #511-626	Blue Quart 44340043 Gallon 44340042 Swatch #511-628	Aqua Quart 44340027 Gallon 44340026 Swatch #511-604
Black Quart 44340031 Gallon 44340030 Swatch #511-606	Dark Grey Quart 44340037 Gallon 44340036 Swatch #511-724	Light Grey Quart 44340020 Gallon 44340019 Swatch #511-705	White Quart 44340017 Gallon 44340016 Swatch #511-600

* Swatches are not exact matches to actual paint colours. Contact IMP for swatch colour details



Brightside Polyurethane

Brightside Polyurethane is the most technically advanced one-part polyurethane available. For use anywhere above the waterline, Brightside uses Polyflow 4000 resin which yields excellent flow and leveling characteristics as well as incredible abrasion and chemical resistance. Brightside also uses the latest in U.V. technology which ensures longer colour and gloss retention. Brightside can be applied to fiberglass, wood, aluminum and properly prepared epoxy surfaces and is available in twenty-one colours

Recommended Primer: Brightside Primer (See Page 10)

Wipe-Down Solvent: Solvent Wash 202 (See Page 14)

Brushing Thinner: Brushing Liquid 333 (See Page 14)

Spraying Thinner: Special Thinner 216 (See Page 14)

Theoretical Coverage: 110 ft² /Quart

Hatteras Off-White

Quart **44360132**

Swatch #4208

Quart **44360284**

Swatch #4218

White

Quart **44360135**

Gallon **44360330**

1/2 Pint **44360326**

Swatch #4359

Flag Blue

Quart **44360323**

1/2 Pint **44360324**

Swatch #4990

Black

Quart **44360202**

1/2 Pint **44360327**

Swatch #4258

Off-White

Quart **44360198**

Swatch #4381

Blue-Glo White

Quart **44360136**

Gallon **44360218**

Swatch #4259

Sapphire Blue

Quart **44360133**

Swatch #4241

Dark Blue

Quart **44360201**

Swatch #4316

Matterhorn White

Quart **44360155**

Swatch #4360

Seattle Gray

Quart **44360131**

Swatch #4205

Dusk Gray

Quart **44360195**

Swatch #4233

Kingston Gray

Quart **44360225**

Swatch #4190

Light Blue

Quart **44360200**

Swatch #4351

Ocean Blue

Quart **44360158**

Swatch #4253

Medium Blue

Quart **44360203**

Swatch #4353

Largo Blue

Quart **44360223**

Swatch #4100

Steel Gray

Quart **44360199**

Swatch #4250

Bristol Beige

Quart **44360149**

Swatch #4207

Grand Banks Beige

Quart **44360204**

Swatch #4217

Sundown Buff

Quart **44360207**

Swatch #4237

Sea Green

Quart **44360159**

Swatch #4247

Fire Red

Quart **44360134**

Swatch #4248

Yellow

Quart **44360224**

Swatch #4152

Flattening Agent

Quart **44360237**

Swatch #YMA 7i5



Perfection®

A high performance clear polyurethane, offering multiple solutions from one product, Perfection Plus delivers the ultimate in clear wood coating performance. The chemical cure urethane formulation combine with best in class UV and HALS packages to offer outstanding chemical and abrasion resistance, and superb gloss and gloss retention that lasts four times longer than conventional one-part varnishes. Perfection Plus can be applied directly to all woods, including oily timbers such as teak. Alternatively, use over Interlux Clear Wood Sealer to reduce labor time, without having to compromise on durability or aesthetics. Perfection Plus can also be used a glazecoat with Perfection Topcoat (YH series) to further increase flow, leveling and durability while maintaining gloss and DOI levels

Per quart:

Snow White 44250146 Swatch #YHB000	Mediterranean White 44250152 Swatch #YHA184	Off-White 44250153 Swatch #YHA192	Oyster White 44250163 Swatch #YHA194	Matterhorn White 44250154 Swatch #YHA198	Artic White 44250169 Swatch #YHS248
Pearl White 44250170 Swatch #YHS255	Platinum 44250162 Swatch #YHA183	Cream 44250155 Swatch #YHS070	Fighting Lady Yellow 44250164 Swatch #YHS056	Rochelle Red 44250159 Swatch #YHS299	Jade Mist Green 44250161 Swatch #YHB663
Royal Blue 44250157 Swatch #YHA216	Lauderdale Blue 44250171 Swatch #YHS936	Jel Black 44250160 Swatch #YHY999	Mauritius Blue 44250156 Swatch #YHF991	Flag Blue 44250158 Swatch #YHK990	

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Interlux Fiberglass Bottomkote Paint

Fiberglass Bottomkote is the standard against which all other antifouling paints are measured. It can overcoat any existing bottom coat and offers solid protection against all types of fouling, including Zebra Mussels. Below water. Matte. 2. Brush/Roller

Colour	Amount (L)	Item Number
Red	1	44360018
Green	1	44360347
Blue	1	44360348
Black	1	44360065
Bronze	1	44360216
Red	4	44360069
Green	4	44360350
Blue	4	44360349
Black	4	44360351
Bronze	4	44360166



Micron CSC Extra Antifouling Paint

Micron CSC Extra has proven itself to be one of the most effective copper based antifouling paints ever developed for power or sailboats. It lasts up to 20% longer than other copper based, self polishing antifouling paints. It polishes away with age which means minimal paint build-up from season to season. Contains 36% cuprous oxide

Colour	Amount	Item Number
Red	Quart	44360012
Red	Gallon	44360105
Blue	Quart	44360010
Blue	Gallon	44360109
Black	Quart	44360019
Black	Gallon	44360031
Green	Quart	44360094
Green	Gallon	44360300
Shark White	Quart	44360021
Shark White	Gallon	44360022



Interlux Bottomkote XXX

Bottomkote XXX is a proven performer in both the coastal and inland areas of Canada, providing excellent value to boaters. It can be applied over all properly prepared substrates (except aluminum). Its soft film allows easy cleaning and minimal paint buildup. Contains 28% cuprous oxide. Do not apply to aluminum

Colour	Amount	Item Number
Red	Quart	44360017
Red	Gallon	44360016
Blue	Quart	44360057
Blue	Gallon	44360066
Black	Quart	44360060
Black	Gallon	44360143



Waterbase Antifouling Bottom Paint

Performance, value and reliability all in one. Coverage 100 square feet per quart, suitable for one coat on a 17 ft. boat; 400 square feet per gallon, suitable for one coat on a 32 ft. boat. Fast drying, abrasive waterbase antifouling bottom boat paint, easily cleaned up with soap and water. EPA registered and environmentally responsible. May be used over previously painted fiberglass or wooden boats without primer, provided surfaces properly prepared. Painted boats can be stored up to 12 months before launching

Colour	Amount	Item Number	Colour	Amount	Item Number
Black	U.S. qt	66613680	Green	U.S. gal	66613710
Black	U.S. gal	66613690	Teal	U.S. qt	66613660
Red	U.S. qt	66613600	Teal	U.S. gal	66613670
Red	U.S. gal	66613610	Horizon Blue	U.S. qt	66613640
Blue	U.S. qt	66613620	Horizon Blue	U.S. gal	66613640
Blue	U.S. gal	66613620	Shark White	U.S. qt	66613640
Green	U.S. qt	66613700	Shark White	U.S. gal	66613640



Brightside Primer

Brightside Primer is a single part topside undercoater formulated specifically for use with Brightside, but can be used with any one-part topside finish

Colour	Amount	Item Number
White	Quart	44400142
White	Gallon	44400039
Grey	Quart	44400143



404/414 Epoxy Barrier-Kote

Epoxy Barrier-Kote 404/414 is a multi-purpose two-part epoxy primer for use above and below the waterline. It is used as a sanding surfacer to smooth rough layup and to resurface cracked and crazed gelcoat which makes it an excellent undercoater for Interthane Plus. Epoxy Barrier-Kote 404/414 should be used over clear epoxies to eliminate the effects of amine blush before overcoating

Litre

44360054

ACCIDENTS HAPPEN

It is Spartan Marine's mission to help you clean up

Spartan Marine provides our customers with high quality products and services that meet and exceed their expectations now and into the future and builds on new innovations that add value to our customer's requirements and protect the environment that we live in



See

**ENVIRONMENTAL
CLEAN-UP 172**



Interlux Trilux II

Trilux II is specially formulated for use on all underwater aluminum surfaces such as hulls and lower units of outboards and I/O's. It is equally compatible on fiberglass, wood or other underwater metals. This paint does not contain TBT

Recommended Primer: 353/354
(See Page 10)

Wipe-Down Solvent: Solvent Wash 202
(See Page 14)

Brushing Thinner: Brush Ease 433
(See Page 14)

Spraying Thinner: Special Thinner 216
(See Page 14)

Theoretical Coverage: 100 ft² /Quart

Colour	Amount	Item Number
Red	Quart	44360099
Red	Gallon	44360126
Blue	Quart	44360102
Blue	Gallon	44360162
White	Quart	44360101
White	Gallon	44360128



EpoxyCOP

Performance, value and reliability all in one

Colour	Swatch	Amount	Item Number
Red	NK50CA	Quart	44210087
Red	NK50CA	Gallon	44210084
Blue	NK51CA	Quart	44210086
Blue	NK51CA	Gallon	44210082
Black	NK52CA	Quart	44210085
Black	NK52CA	Gallon	44210081
Green	NK53CA	Quart	44210083
Green	NK53CA	Gallon	44210088



VC 17M

VC 17M is the fastest antifouling paint for fresh water. Its Teflon based film shrugs off marine growth and can increase boat speed by up to 10%. Do not apply to aluminum

Wipe-Down Solvent: VC General Thinner V172

Solvent: VC General Thinner V172

Colour	Amount	Item Number
Red	Quart	44360281
Blue	Quart	44360280
Graphite	Quart	44360283



Captain's Varnish #1015

High solids varnish for marine use only has outstanding gloss retention and all round durability with ultra-violet shield

Considered by many users to be the most durable varnish offered to the boating trade

Amount	Item Number
U.S. gal	66612410
U.S. qt	66612420

Gallon coverage 585 square feet per gallon

Quart coverage 146 square feet per quart

Not for use below the waterline



Flagship Varnish #2015

The highest UV protection available in marine varnish

Can be built up to many coats for a deep, rich, mirror-like finish; the depth of gloss is increased with each coat

Contains almost 6 times the ultra-violet protection of 1015 Captain's varnish

Amount	Item Number
U.S. gal	66612430
U.S. qt	66612440

Coverage 450 square feet per gallon

Coverage 112 square feet per quart

Not for use below the waterline

* Swatches are not exact matches to actual paint colours. Contact IMP for swatch colour details



Epifanes Thinner

A pure white spirit for thinning all Epifane Varnishes

Amount	Item Number
500ml	44300109
1 Litre	44300110



Epifanes Clear Gloss Varnish

This is our world famous, highest quality marine spar varnish. Manufactured with tugn oil, U.V. filters, phenol and alkyd resins for superior protection

Amount	Item Number
500ml	44400181
1 Litre	44400182



Original 90 Varnish

Formerly Super Spray, Original 90 is a traditional spar varnish that combines ease of application with good gloss and durability. This varnish is recommended for topside applications such as trim and handrails. Wipe Down Solvent: 216 (wood), 333 (varnished surfaces). Solvent: 333 (brush), 216 (spray)

Amount	Item Number
Quart	44400094



Epifanes Wood Finish

This Wood Finish Gloss gives a high build, hard varnish-like finish without sanding between coats. It offers high gloss beauty with outstanding U.V. protection for teak and other woods

Amount	Item Number
1 Litre	44400180



Goldspar Varnish

Goldspar 95 is a one part polyurethane varnish which contains a unique combination of UV additives, surface stabilizers and anti-oxidants designed to ensure long-term gloss and clarity. In addition, a new polyurethane resin adds incredible abrasion resistance to superior leveling. Its clear gloss lets the natural beauty of your wood show through

Amount	Item Number
Quart	44400126



Schooner Varnish

Schooner contains UV filters to prevent damaging effects from the sun and retains remarkable durability and excellent water resistance and silky application

Amount	Item Number
Quart	44400099



Interthane Perfection Varnish

Interthane Perfection Varnish is a two-part polyurethane designed to be an extremely durable clear coating for wood and epoxy surfaces. It has an excellent UV protection package and applies easily by brush. This product should only be used above 10 degrees Celsius. Sold by the quart

Amount	Item Number
Quart	44250013



Goldspar Satin Varnish

Goldspar Satin 60 is a modified polyurethane low luster varnish designed for application to interior wood surfaces only. Perfect for deck soles, cabinets and trim. Also perfect for household furniture finishing

Amount	Item Number
Gallon	44400141



Interprotect 2000E/2001E

Interprotect 2000E/2001E is a two part epoxy coating developed to protect new and used fiberglass hulls from water absorption. It can also be used to repair blistered gelcoat hulls. If the gelcoat has been removed, use the 1000/1001 as a sealer coat before using 2000E/2001E

Wipe-Down Solvent: Solvent Wash 202

Solvent: Reducing Solvent 2316N (10% max)

Amount	Item Number
Quart	44360049
Gallon	44360050



Interprime™ Wood Sealer Clear

Used to seal wood grain or to stop varnish from penetrating into the wood, allowing subsequent coats of varnish or paint can dry without "high and low" spots. Applied to interior or exterior surfaces. This sealer is particularly useful for sealing plywood to resist checking and cracking.

- For sealing grain prior to painting or varnishing

Colour	Amount	Item Number
Red CPA099	Gallon	44250021



Primewash 353/354

Vinyl-Lux Primewash 353/354 is a two-part zinc chromate (second part not pictured, but included), vinyl butryal, self etch primer that is used as a metal conditioner prior to the application of paint on aluminum. It dries quickly for fast recoatability. Wipe-Down Solvent: 355. Solvent: Vinylux Solvent 355 (25% min. required, 30% max.)

Amount	Item Number
Quart	44360013



White Surfacing Putty

Interlux 257 White Surfacing Putty is a fast drying single package surfacing compound which is ideally suited for filling fastener holes and shallow gouges. It can also be used for fairing wood or fiberglass prior to painting

Amount	Item Number
Quart	44330346



Seam Compound

This 30/31 Seam Compound is for use in seams below the waterline only. It stays flexible after immersion and can absorb the expansion and contraction of planks

Colour	Amount	Item Number
Brown	Quart	44330285
White	Quart	44330288



Bedding Compound 214

Interlux's Boat Yard Bedding Compound 214 is designed for bedding down deck hardware, molding cleats, padeyes, flanges, transoms, cabin trunks, keels, etc

Amount	Item Number
Quart	44330374



White Sanding Surfer

This 244 White Sanding Surfer is a full primer used for filling the grain in mahogany as well as filling gelcoat porosity. It has excellent sanding properties

Amount	Item Number
Quart	44360262



VC Underwater Epoxy

VC Underwater Epoxy is specifically designed to be used on the underwater surfaces of performance powerboats or racing sailboats. VC Underwater Epoxy dries to a hard, somewhat slippery surface. It contains Teflon to ease wet sanding and burnishing by adding lubricity to the finish. This product has no antifouling properties. Please note that the V127 and V128 MUST be used together

Model	Amount	Item Number
V127	Quart	44360077
V128	Quart	44360080
V127-128 Kit	Quart	44360341
V127	Gallon	44360087
V128	Gallon	44360116



VC Tar

Black VC Tar gives a high gloss, super smooth surface at application without sanding. It is the only blister protection system that can be applied race bottom smooth without sanding prior to adding a Teflon antifouling paint. Helps prevent moisture from penetrating the substrate. It also makes an excellent primer for aluminum or steel hulls or keels. Wipe-Down Solvent: VC General Thinner V170. Solvent: VC General Thinner V170

Amount	Item Number
Quart	44360282



202 Solvent Wash

202 Solvent Wash has both fast and slow evaporating properties and is used for general wipe down of mould release wax and surface oils prior to painting

Amount	Item Number
Litre	44360076
Gallon	44360117



Interstrip 299

Interstrip 299 paint remover has a jelly-like consistency for ease of removal of paints and is specifically formulated for use on fiberglass boats. Clean-up Solvent: 202

Amount	Item Number
Quart	44360108
Gallon	44360288



216 Special Thinner

Used as a brush/spray reducer and tool cleaner. It is also used for degreasing aluminum and removing wax residues from surfaces treated with Pintoff 199

Amount	Item Number
Litre	44300067



2316N Reducer

Used as a brushing/spraying reducer and tool cleaner for Interprotect 2000/2001 and as a spray reducer for Interthane Plus, 404/414 and 2000/2001

Amount	Item Number
Litre	44300102



333 Brushing Liquid

Brushing reducer for 1 part top coat paints. Improves flow of yacht paint enamels, varnishes and Brightside paints

Amount	Item Number
Litre	44360046



355 Viny-Lux Solvent

Brush and spray reducer for Viny-Lux Primewash 353/354, Vitaline 351 and Ultrakote. Used as a tool cleaner for 257 Putty

Amount	Item Number
Litre	44300105



2333 Solvent Wash

Used as a brushing reducer for Interthane Plus and 404/414 Barrier Kote

Amount	Item Number
Litre	44360100



433 Brush Ease

Used as a brushing reducer and tool cleaner. Used for Micron CSC and Underwater Metal Primer 360R

Amount	Item Number
Litre	44360154



VC General Thinner

This thinner is required for use with the VC17m, VC18, VC-Liquid Speed, and VC-Tar

Amount	Item Number
Litre	44300104

WEST SYSTEM®



403 Microfibers

A fine fibre blend used as a thickening additive with resin/hardener to create a multi-purpose adhesive, especially for bonding wood. Colour: Off-white

Amount	Item Number
6 oz	01050010
60 oz	01050046



404 High Density Filler

A thickening additive developed for bonding hardware where repetitive high cyclic loads are anticipated. Can also be used for filleting and gap filling. May be added to resin/hardener at a rate of 20-30% by weight. Colour: Off-white

Amount	Item Number
15 oz	01050011
45 oz	01050047



405 Filleting Blend

This strong wood-toned filler is good for use in glue joints and fillets on naturally finished wooden interiors. Colour is a consistent brown so it can be used to modify the shade of other West System fillers

Amount	Item Number
8 oz	01050104



406 Colloidal Silica

The most versatile filler in the line, 406 is used to control the viscosity of other fillers and remains very strong. Used as a general thickening additive. Colour: Off-white

Amount	Item Number
2 oz	01050012
6 oz	01050050



407 Low Density Filler

A blended micro balloon based filler used to make fairing putties that are easy to sand and carve. Cures to a dark red/brown colour

Amount	Item Number
5 oz	01050013
15 oz	01050048



410 Microlight

The ideal low density filler for creating a light, easily worked fairing compound. 30% easier to sand than 407 or microballoons. Cures to a tan colour. Not recommended for high heat exposure

Amount	Item Number
2 oz	01050014
5 oz	01050049



105 Epoxy Resin Part I

105 Epoxy Resin® is the base material on which all West System 105 System epoxy compounds are built. The resin is a clear, pale yellow, low-viscosity liquid epoxy. Formulated for use with West System hardeners, it can be cured in a wide temperature range to form a high-strength solid with excellent moisture resistance

A	01050004
B	01050005
C	01050051



205 Fast Hardener

Medium-viscosity epoxy curing agent. Used in a majority of situations at lower temperatures and to produce a rapid cure that develops its physical properties quickly at room temperature. Mix with 105 Resin in a five-part resin to one-part hardener ratio. Cured resin/hardener mixture yields a rigid, high-strength, moisture-resistant solid. Excellent bonding and coating properties

A	01050006
B	01050007
C	01050045



206 Slow Hardener

Low-viscosity epoxy curing agent for use when extended working and cure time is needed or to provide adequate working time at higher temperatures. When combined with 105 Resin in a five-part resin to one-part hardener ratio, the cured resin/hardener mixture yields a rigid, high-strength, moisture-resistant solid with excellent bond and coating

A	01050066
B	01050067
C	01050061



207 Special Coat Hardener

207 Special Coating Hardener was especially developed for use with West System 105 Resin in coating applications where an exceptionally clear moisture-resistant natural wood finish is desired. Cures to a light amber color similar to traditional spar varnishes

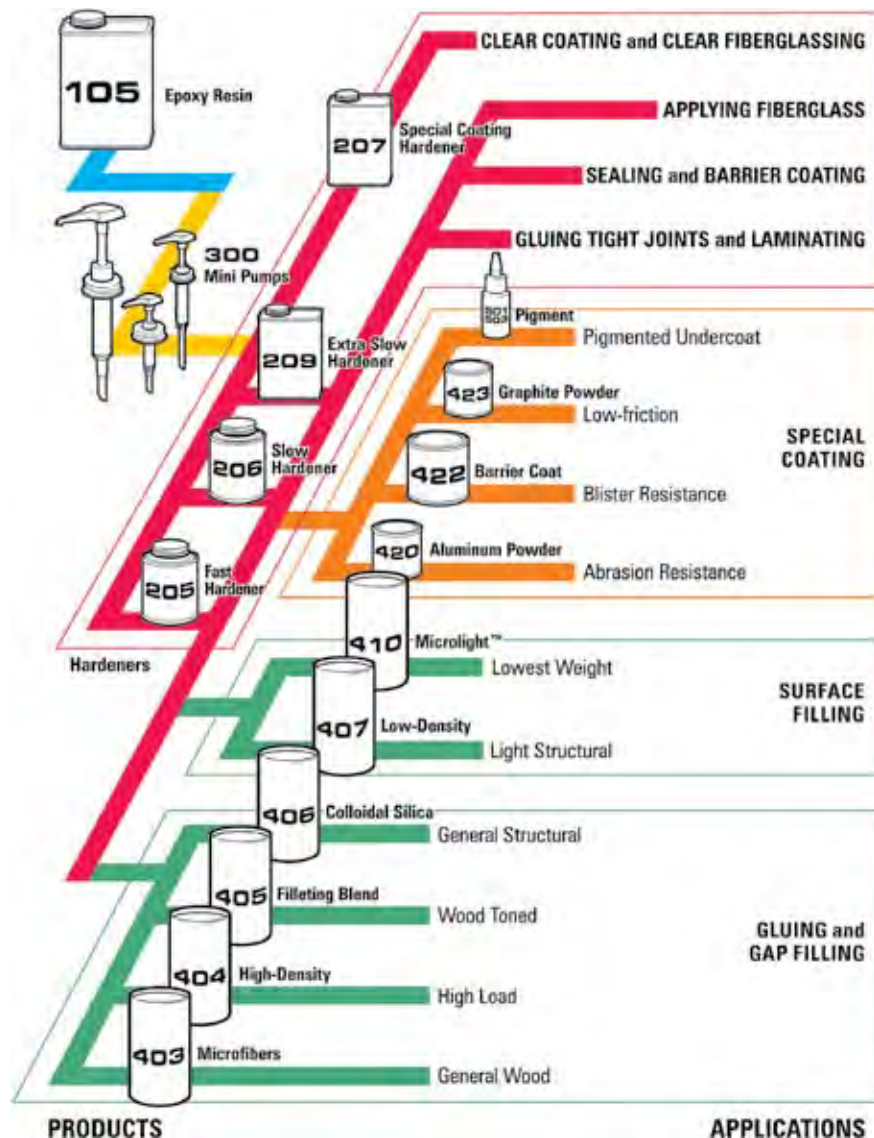
One Size	01050181
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209 Extra Slow Hardener

209 Extra Slow "Tropical" Hardener is formulated for use with WEST SYSTEM Brand 105 Resin for general coating and bonding applications in extremely warm and/or humid conditions or when extended working time is desired at room temperature

One Size	01050088
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West System "A" Kit



MFG#	Type	Item Number
105-A	Resin	01050004
205-A	Hardener Fast	01050006
206-A	Hardener Slow	01050066
Pump A	Pump	01050008
207-A	Hardener Clear	01050181

West System "B" Kit



MFG#	Type	Item Number
105-B	Resin	01050005
205-B	Hardener Fast	01050007
206-B	Hardener Slow	01050067
Pump B	Pump	01050009
207-B	Hardener Clear	01050087

West System "C" Kit



MFG#	Type	Item Number
105-C	Resin	01050051
205-C	Hardener	01050045
206-C	Hardener	01050061
Pump C	Pump	01050009



BC Petro Corrosion Protection

Excellent, environmentally safe corrosion protection for hydraulic hose fittings, pipe and tube fittings, piping, and valves

Applies easily and conforms readily to irregular surfaces, withstanding temperatures from -170°C to 80°C

Water resistant, won't crack or harden

Application is easy:

1. Remove moisture, oil, dust and scale from the surface that is to be protected
2. Stuff mastic on uneven areas, cavities, etc.
3. Wrap tape around the surface, while applying even tension to assure tight tape adhesion
4. If desired, the Petro Tape can be covered with weather resistant PVC firm tape. This will enhance the appearance, protect the tape from damage and prevent clothing from becoming soiled on contact

Tape, 50 mm x 10 m roll	66113500
Tape, 100 mm x 10 m roll	66113510
PVC firm tape, 50 mm x 30 m	66113530
Mastic, 0.88 kg bar	66113520



Marine Clean—Step 1

Use to remove any oily film or residue before applying POR-15 Rust Preventive Paint. Cleans and degreases in one application without leaving residues, noxious fumes or flammable solvents. Removes grease, oil, mildew, algae, soap films and waxes. Great for cleaning bilges, galleys, engines, fuel tanks, canvas, vinyl, nylon, holding tanks and more. Environmentally safe water-based formulation

Description	Item Number
U.S. qt	66600570
U.S. gal	66602130



Doodlebug™ Cleaning System

Use for cleaning and scrubbing decks, non-skid areas and hulls. 4" x 10-1/4" sheets



Cleaning Pad

General Purpose Pad

White **66600770**

For medium-duty cleaning and scrubbing

Blue **66600780**

Scrub & Strip Pad

For tough jobs like removing finish and wax buildup

The most aggressive Doodlebug pad, for heavy duty maintenance and stripping

Attaches to a white cleaning pad and then to a Doodlebug holder

Brown **66600790**

Stripping Pad

Black **66600840**



Doodlebug Pad Holder/Swivel Head

Used with a broom handle, not included

Each **66600890**

Doodlebug Handblock

Convenient built-in handle puts cleaning versatility in the palm of your hand

Unique hook and loop bottom holds Doodlebug pads without the use of adhesives or fasteners

Each **66600880**



Marine Rust Preventive Paint—Step 3

Stops rust permanently. Designed to be brushed or sprayed right onto rusty surfaces, leaving a beautiful, rock-hard finish that won't crack, chip or peel. Moisture cured POR-15 is many times tougher than any coating you have ever used, minimizing the possibility of bumps or scrapes causing chipped bare metal areas that create new rust spots almost immediately. The glossy finish can be used as either a primer or finish coat. POR-15 is great for hulls, decks, hatches, trailers, engine areas, undercoating, trucks, etc.

Metal-Ready—Step 2

After thoroughly degreasing your work piece with Marine Clean, apply environmentally safe Metal-Ready to neutralize the rust and etch any clean, bare metal, allowing better adhesion of POR-15 Rust Preventive Paint or any other paint or coating. Leaves a zinc phosphate film to promote chemical bonding of paint and steel. Metal-Ready is not caustic, corrosive, toxic or flammable

Description	Item Number
U.S. qt	66602110
U.S. gal	66602170

Colour	Amount	Item Number
Black	U.S. pt	66602250
Black	U.S. qt	66602260
Black	U.S. gal	66602270
Silver	U.S. pt	66602280
Silver	U.S. qt	66602290
Silver	U.S. gal	66602300
Gray	U.S. pt	66602310
Gray	U.S. qt	66602320
Gray	U.S. gal	66602330



Resin and Hardeners

Resin and hardener sold separately. Purchase one resin and one hardener for a 5:1 mixing ratio. Yields amounts shown

A resin + A hardener = 1 U.S. quart

B resin + B hardener = 1 U.S. gallon

C resin + C hardener = 5 U.S. gallons

E resin + E hardener = 62.8 U.S. gallons

Resin Only

Water clear, low viscosity. Contains no solvents (100% solid). Mix 5:1 with appropriate hardener

Description	Item Number
A Resin only	66640350
B Resin only	66640360
C Resin only	66640370
E Resin only	66640380

Fast Hardener

Cool temperature (40°F–70°F) medium viscosity. 12 min. pot life at 72°F, 30 min. working time

Description	Item Number
A Hardener only	66640260
B Hardener only	66640270
C Hardener only	66640280
E Hardener only	66640290

Intermediate Hardener

Warm temperature (70°F–90°F) low viscosity. 30 min. pot life at 72°F. 45 min. working time

Description	Item Number
A Hardener only	66640300
B Hardener only	66640310
C Hardener only	66640320
E Hardener only	66640330

UV-Resistant Epoxy Hardener

Description	Item Number
A Hardener, 0.25 L	66640420
B Hardener, 1 L	66640430
C Hardener, 4 L	66640440

IMPORTANT NOTE: Mixing ratio for this UV-resistant hardener is 3:1 (3 parts resin to 1 part hardener). Provides excellent resistance to weathering, yellowing and chalking. The increased UV resistance lasts three to four times longer than other ordinary epoxy systems

Epoxy Pump

This simple, inexpensive pump assures an accurate 5:1 mix ratio and will save many times its cost in reduced waste

Description	Item Number
Fits A sized (qt) kit	66640410

Pre-Mix Fairing Compound

Epoxy putty for use on coarse or unfair surfaces that must be filled and sanded before applying the final finish, or for sculpting cosmetic fillets and filling the weave of fabrics above and below the waterline. Leading and trailing edges of keels, rudders and other underwater appendages may also be faired to reduce underwater drag. A two component 100% solid system that can be easily troweled. When cured it can be sanded, drilled, sawn or milled

2:1 mixing ratio: 500 mL resin, 250 mL hardener

Description	Item Number
750 mL	66640210



Plastic Spreaders

Spreads fillers, putties, and fairing compounds. Remove trapped air bubbles from boot stripe and striping tapes, etc.

Size (")	Item Number
4	66640100
6	66640120



Wooden Stir Sticks

Wooden 1" x 6" stir sticks

Box	Item Number
	63090076

Epoxy Fillers

Cotton Fibres

Thickens epoxy for gap filling

Description	Item Number
Cotton fibres, 3/4 lbs	66640250

Silica

Increases epoxy viscosity and non-sag properties. Thickens epoxy for cosmetic fairing and filleting

Description	Item Number
Silica, 1/4 lbs	66640190

3M™ Scotchlite Bubbles

Description	Item Number
Micro-bubbles, 1/4 lbs high density, white	66640230

Microballoons

Thickens epoxy for structural fairing and filleting

Description	Item Number
Microballoons, 1/2 lbs low density, red	66640240



Dust/Mist Respirator

Lightweight, easy-breathing respirator used when sanding cured paint, fiberglass, and fairing compounds; recommended for use up to 10 x PEL or applicable OSHA limits, whichever is lower

20 per box	63120060
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NIOSH/MSHA approved



Mixing Pots

500 mL high density polyethylene container. 3.6" bottom diameter, 4.8" top diameter, 3.4" height. Sold without lid

Each	66640090
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Silvertip Laminating Resin

Use at temperatures as low as 35°F with no limitations on humidity

Designed for use with fiberglass, Kevlar, Dynel and graphite as well as on bare wood, SilverTip Laminating Resin is a medium-low viscosity, liquid epoxy resin system optimized for coating and reinforcing fabric saturation in wood-composite boat building. Also for repairing fiberglass boats and for use with carbon fiber sporting goods and auto body parts. Both the resin and hardener are nearly colourless and cure to a brilliant blush-free film, even at lower temperatures and higher humidity. The working time is longer than most boat building epoxies without extending cure time. Wets out fiberglass cloth quickly and allows for use "as is" for either coating or fiberglass work

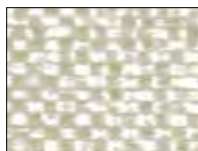
Description	Item Number
Resin, U.S. gallon	66644000
Hardener, fast	66644010
Hardener, slow	66644020
Plunger pump set	66644160

Mixed at a 2:1 by volume ratio



Gotham Acetone

Quantity	Item Number
Quart	66641150
Gallon	66641160



Fiberglass Tape

The highest glass-to-resin ratio and strength of all fiberglass materials use for repairs or reinforcing seams and corners

2" wide x 50 yard roll, 6 oz per square yard	40240032
3" wide x 50 yard roll, 6 oz per square yard	40240010
4" wide x 50 yard roll, 6 oz per square yard	40240004

Fiberglass Mat

Non-woven material of glass fibers laid randomly across each other and held together by a binder

Typically used for laminate build-up and repair work, suitable for use with polyester resin

1/2 oz per square foot, 38" wide	61010077
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Fiberglass Woven Roving

Untwisted continuous filaments

Higher fiber content results in lamination with excellent tensile strength and impact resistance

1708	61010153
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Fiberglass Cloth

Woven material in various sizes allows custom strength, thickness, and weight in projects

4 oz, 50" wide	01050128
6 oz, 50" wide	61010019
10 oz, 50" wide	61010057

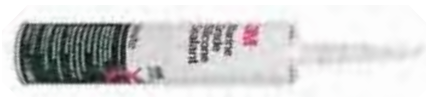
Priced per yard



IMP Brand Polyester Resin & Hardener

44400148

Adhesive



3M Marine Grade Mildew Resistant Silicone

3M Marine Grade Mildew Resistant Silicone bonds to fiberglass, gelcoat, glass, metal, rubber, wood and vinyl. It seals and waterproofs, and remains flexible. Excellent gasket adhesive, and a high quality silicone formulation. May be used on Plexiglas and Lexan surfaces. Not intended for continuous use below the waterline

46400157



3M Fastcure 4000 UV Marine Adhesive Sealant

3M 4000 UV Marine Adhesive Sealant is a premium cosmetic sealant, and stays flexible. It has exceptional protection against harsh marine environments, and superior UV resistance. Under 1% VOC's, low odour

46400163



291LOT Marine Adhesive and Sealant

10.3 oz (305 mL) cartridge

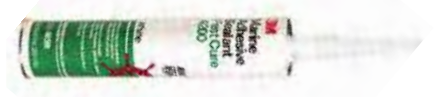
Tack- free in 3 to 5 hours

Full cure in 3 to 5 days

±25% flexibility

An excellent all-purpose adhesive and sealant. Its tack-free time is ideal for many production shops – long enough for complex tasks, short enough to stay clean. Sikaflex 291LOT shows exceptional final cure characteristics and may be used above or below the waterline

Colour	Item Number
White	46400099
Black	46400135
Mahogany	46400131



3M Marine Adhesive Fast Cure 4200 Sealant

3M Marine Adhesive Sealant Fast Cure 4200 is a fast-curing polyurethane formulated for disassembly of parts. It adheres to and seals wood, fiberglass, gelcoat, plastics and metals. Cures in 24 hours, tack-free in 1-2 hours

46400168



3M Marine Adhesive Fast Cure 5200 Sealant

3M Marine Adhesive Fast Cure 5200 Sealant is a high strength polyurethane formulation. It remains flexible, and has a 24-hour cure. It bonds and seals fiberglass and wood

46400147



291 Fast Cure Marine Adhesive and Sealant

10.3 oz (305mL) cartridge

Tack-free in 30 to 45 minutes

Full cure in 1 to 3 days

±12 1/2% flexibility

The most popular in the Sika product range. An excellent sealer that may be used for many light bonding applications, and is designed for above or below waterline use. Its fast cure rate makes it ideal for boat yard or boat repair use where quick turnaround is important

Colour	Item Number
White	46400012
Black	46400170
Mahogany	46400011



3M Marine Adhesive Sealant 5200

3M Marine Adhesive Sealant 5200 is a high strength polyurethane formulation. It is flexible, and bonds and seals fiberglass and wood. Watertight bonding/sealing above and below the waterline

Colour	Item Number
White	46400078
Black	46400152
Mahogany	46400171



Debond Marine Formula

Debond Marine Formula removes and cleans 3M 5200, silicone rubber, caulks/sealants, black rub marks and most graffiti/overspray. This is the product for shrink wrap tape residue, job site & tool cleanup, and is great for transducers and outboard re-powers. Not for plastics, including Lexan

Amount	Item Number
4 oz	46400166



292 High Strength Marine Adhesive

10.3 oz (305 mL) cartridge

Tack-free in 30 to 45 minutes

Full cure in 24 hours

A highly viscous, high strength adhesive, this remarkable product can replace rivets, screws, welds, other mechanical fasteners in the manufacture and repair of boats of all types. Bonds and seals in one step

Colour	Item Number
White	46400132

Brushes and Rollers



Red Bird Brush

06020534



Thrush Brush

06020028



Chip Brush

06020462



Bent Rad Brush

06020534



Sponge

06020481



Time Trimmer Roller

06020459



Roller Handle

06020062



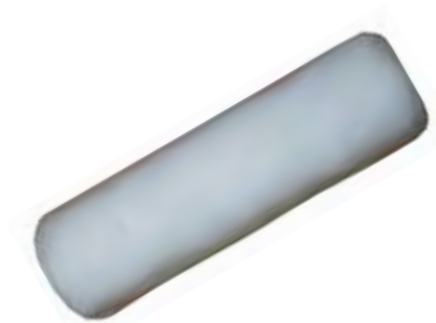
Gold Stripe Fabric Roller refill

06020460



Foam Economy Roller refill

06020246



10mm Deluxe Roller refill

06020256



Culking Cotton

35110005



Oakum

35110012

Marine Cleaners, Waxes and Gel Coats



Black Streak Remover

Instant spray and wipe product will remove all black streaks from fiberglass, metal and painted surfaces. The thick, low drip formulation remains on vertical surfaces longer, making cleaning easier. Safe, non-toxic and biodegradable

16 oz (473 mL)

66605650



Colour Restorer

Safely removes light oxidation, stains and blemishes on all fiberglass and painted marine or RV surfaces. Revives faded, oxidized surfaces to their original vibrant colour

16 oz (473 mL)

66605590



Gel Coat One Step Compound

This advanced aggressive, yet safe compound will clean and restore gloss to the gel coat surface in one step. Removes moderate-heavy oxidation, scratches, stains and tough water spots on all fiberglass and painted gel coat marine or RV surfaces. Restores colour and leaves a rich gloss on the treated surface

1 quart (946 mL)

01020219



Quik Wax

Wax your boat as you dry to create a brilliant gloss and add wax protection. Use on wet or dry surfaces. Quickly and easily maintains gloss between periodic waxings. Suitable for use on fiberglass, painted surfaces, stainless steel, clear plastic and other non-porous surfaces (Do not use on glass windows). Use wax only after the surface has been cleaned and restored to a "like new" or "average" finish

16 oz (473 mL)

66605690



Vinyl and Rubber Cleaner/Conditioner

Cleans and revitalizes vinyl and rubber surfaces. Restores colour with a rich natural sheen, not the typical artificial shine produced with conventional protectants. Screens out damaging UV rays that can dry out and crack the surface

6 oz (473 mL)

66605640



High Gloss Polish



Creates a brilliant high gloss finish. Restores optimal gloss on fiberglass and painted marine or RV surfaces after cleaning. Restores valuable oils to feed and nourish the fiberglass or painted surfaces. Especially effective on dark colours

16 oz (473 mL)

66605600



Pure Wax



Durable high gloss protection for fiberglass and all painted surfaces. Blend of pure Brazilian carnauba wax with silicones, polymers and resins to maintain extraordinary gloss and protection. Provides UV protection

16 oz (473 mL)

66605550



Oxidation Remover



Removes moderate oxidation, scratches, stains and tough water spots on all fiberglass gel coat and painted marine or RV surfaces. Restores color by effectively removing surface degradation

16 oz (473 mL)

66605670



Cleaner Wax



A non-abrasive formula that cleans, polishes and protects boats and RVs in one easy step. Removes light oxidation and haze, minor scratches and swirls. Provides long-lasting protection against salt air, corrosion and the sun's ultraviolet rays. Available in liquid or paste

14 oz (414 mL) paste

66605530

16 oz (473 mL) liquid

66605540



Marine Spray Nine



An extremely effective multipurpose product that cleans, disinfects and deodorizes. Removes grease, dust and dirt, algae, smoke and soot, finger prints, fresh paint, soap scum, food stains and more. It's the only marine cleaner that kills bacteria and eliminates odors in just 45 seconds. Controls mold and mildew. Safe for use on boats, RVs, PWCs, inflatables, refrigerators, coolers, awnings, bait wells, vinyl and carpeting. Leaves a mild, pleasant fragrance

1 quart (946 mL)

22010026

1 gallon (3.78 L)

66602510



Fiberglass Gel Coat Restoration System

Kit includes:

Oxidation Remover, 16 oz (473 mL)

Polish, 16 oz (473 mL)

Pure Wax, 16 oz (473 mL)

A specialized three-step system developed to restore the original look of faded or damaged fiberglass gel coat surfaces. Oxidation Remover will remove oxidation, stains, and scratches. Polish will restore brilliant gloss to the finish. Pure Wax will provide long-lasting, durable protection to the restored surface

Kit

66605680



Canvas Cleaner

Easily and effectively removes dirt and stains from boat covers, bimini tops and awnings in order to restore their original look and feel. Simply spray on wipe off, or for more difficult stains, agitate with a brush and rinse. Safe for the environment and biodegradable

16 oz (473 mL)

66605660



Marine Grez-Off



An award-winning, powerful degreaser that cuts through heavy grease, oil and grime quickly and completely. Ideal for use on engines, trailers, machinery, tools, etc. Effective and safe, Grez-Off is biodegradable, VOC compliant, non-flammable and non-combustible with no unpleasant odors or fumes. Leaves a pleasant citrus fragrance

1 quart (946 mL)

22010027

1 gallon (3.78 L)

66602540

CABIN EQUIPMENT & NAVIGATION

Navigation



Nautical Charts

We stock all Nautical charts printed by the Canadian Hydrographic Service of Northern Nova Scotia, P.E.I. and Magdalen Islands. All other east coast charts available on approximately one week's notice.



Chart Holder

High quality marine plastic, watertight case to keep your charts clean and dry in any weather with molded caps that stay on

3" Dia. x 40" long **32100067**



Canadian Tide Tables

Atlantic Coast & Bay of Fundy, Volume I **32100373**

Gulf of St. Lawrence, Volume II **32100374**

"World's Best" Parallel Rules

Crystal clear, extra-strong acrylic with brass links. Springs built in the bearings ensure smooth movement. Accurate calibrations

15" with solid brass links **66542020**

18" with chrome plated links **66542030**



Parallel Rules

15" without markings **66542050**

18" calibrated **66542060**



Dividers

Nickel plated brass, interchangeable tips

7" **66542000**



Tired of your clinometer over-reacting? Try our slow acting clinometer

Clinometer

Bakelite; special dampening fluid that precisely controls ball movement within the tube

Type 1 **32130201**

Type 2 **32130009**



Traditional British Dividers

Brass with stainless steel points, highly polished with friction adjustment

Comes with PVC wallet

Straight, 7", 10556 **66900530**

Single handed, 6", 10557 **66900540**

Single handed, 7", 10558 **66900550**

Single handed 8", 10559 **66900560**

Mounted PVC holder, 17118 **66900570**



Nautical Plotter

Extremely simple to use, with easy to follow legend and fixed silk-screened graduations

Model 29521 **66900600**

33 x 12 cm

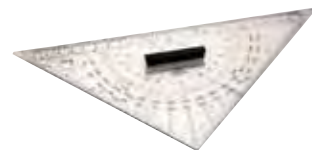


CRAS Navigation Plotter

Black graduation, 29519 **66900580**

Two-colour graduation, 29520 **66900590**

38 x 10 cm with two scales



Triangular Protractor

Plot course and distance, celestial LOPs or true bearings

Graduated in centimeters along 25 cm L hypotenuse, degrees on the two other sides

Model 29522 **32150389**

Bionoculars



H20 13-0805

Waterproof. Compact, yet ready for any wet-weather application
8 x 25 mm

32050138



H20 13-1006

Waterproof. Compact, yet ready for any wet-weather application
10 x 25 mm, Camo

32050215



Powerview 13-1054

Popular magnifications, great for examining detail at long range
10 x 50 mm

32050021



Powerview 13-2516

Wide field of view with 10x magnification makes these great long-range compacts
10 x 25 mm

32050004

Bushnell®

More info and specs online at
www.bushnell.com/products/binoculars/



Powerview 13-2517

Wide field of view with 10x magnification makes these great long-range compacts

10 x 25 mm, Camo

32050035



Marine 13-7500; Marine 13-7501

A classic marine bino with internal rangefinder and illuminated compass

7 x 50 mm, with Reticle

13-7500: 32050125; 13-7501: 32050002



Permafocus 17-5007

Full-size and full-featured for increased brightness at long distances

7 x 50 mm

32050026



Legend Porro Prisms 19-1250

Delivering crisp, clear images in rain, snow and fog

12 x 50 mm

32050217



More info and specs online at
www.bushnell.com/products/binoculars/

Lights



Dome Light-Brass and Teak

6" dia. base, 5" dia. Lens

Polished brass housing, teak base with built in toggle switch

Complete with 12V bulb

12V	66314080
Replacement bulb, 12V	66312300
Replacement bulb, 24V	66312350
Replacement bulb, 32V	66312400



Dome Lights - Stainless Steel

Polished stainless steel housing with built in switch

Complete with 12V bulb and toggle switch

S.S Dome Light	32030088
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6-3/4" dia. base, 5" dia. lens

Night Vision Dome Light

S.S Night Vision Dome Light 12V

Same as light above except with 2 bulbs; one white, one red for night vision – great for wheelhouse

	36020031
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Compact Dome Light

Complete with toggle switch and festoon bulb

12V	66314250
4-3/8" dia. base, 3" dia. lens	
Replacement bulb, 12V	66311700



LED Dome Light-Stainless Steel

Polished stainless steel housing with built-in toggle switch and 20-pc white LED that draws very little current and lasts thousands of hours

Each	36050181
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6-3/4" dia. base, 5" dia. lens, 2" high



Dome Lights - Polished Brass

Polished brass housing with built in toggle switch

Complete with 12V bulb and switch

Brass Dome Light 12V	236020227
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6-3/4" dia. base, 5" dia. Lens

Night Vision Dome Light

Same as light above except with 2 bulbs; one white, one red for night vision – great for wheelhouse

Brass Night Vision Dome Light 12V

	36020239
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Replacement Bulbs

Replacement bulb, 12V	66312300
Replacement bulb, 24V	66312350
Replacement bulb, 32V	66312400

Replacement bulb, 12V

Red, for night vision	66312410
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Compact Dome Light

Complete with toggle switch and festoon bulb

12V	66314260
4-3/8" dia. base, 3" dia. Lens	
Replacement bulb, 12V	66311700



Running Lights

For Vessels Under 12 m (39 ft.)

Internationally approved, comes with 12V bulb

White Housing

Port	36020052
Starboard	36020050
Masthead (bow)	36020209
Stern	36020210

Black Housing

Port	66311600
Starboard	66311610
Masthead (bow)	66311620
Stern	66311630
12V Replacement bulb	66311700



Running Lights

For Vessels Under 20 m (65 ft.)

Internationally approved, comes with 12V bulb

White Housing

Port	66310760
Starboard	66310770
Masthead (bow)	66310780
Stern	66310790

Black Housing

Port	66311500
Starboard	66311510
Masthead (bow)	66311520
Stern	66311530

Replacement Bulbs

12V	66311540
24V	66310220
32V	66310230

Series 20 Navigation Lights

For Vessels Under 12 m (39 ft.)

Black, shock resistant, non-corrosive, non-magnetic and seawater resistant poly carbonate housing

Poly carbonate Fresnel lens provides 1 nm visibility for sidelights; 2 nm visibility for others

Complete with 12V, 5W bulb

Base Mount

Port	66311250
Starboard	66311260
Masthead	66311270
Bi-colour	66311290
All-round white, 8" pedestal	66311320

Side Mount

Port (side mount)	66311300
Starboard (side mount)	66311310
Stern (stern mount)	66311280
Replacement bulb, 12V, 5W – pkg of 2	66311210

Series 25 Navigation Lights

For Vessels Under 12 m (39 ft.)

Black, shock resistant, non-corrosive, non-magnetic and seawater resistant poly carbonate housing

Poly carbonate Fresnel lens provides 1 nm visibility for sidelights; 2 nm visibility for others

Complete with 12V, 10W bulb

Base Mount

All-round white	66311380
All-round red	66311390
All-round green	66311400

Side Mount

Port	66311330
Starboard	66311340
Masthead	66311350
Stern	66311360
Bi-colour	66311370

Replacement Bulbs

Bulb, 12V, 10W – pkg of 2	66311220
Bulb, 24V, 10W – pkg of 2	66311230

Series 40 Navigation Lights

Shock resistant, non-corrosive, non-magnetic and seawater resistant poly carbonate housing

Poly carbonate Fresnel lens gives 2 nm visibility for sidelights and 3 nm visibility for others. Complete with 12V bulb

For Vessels Under 20 m (65 ft.)

Base Mount

All-round white	66311460
All-round red	66311470

Base or Side Mount

Port	66311410
Starboard	66311420
Masthead	66311430
Stern	66311440
Bi-colour	66311450
Yellow towing	66311480

Replacement Bulbs

Stern light, towing light and all-round white lights use 10W bulb; others require 25W bulb

12V, 10W	66311240
12V, 25W	66311550
24V, 10W	66311560
24V, 25W	66311570

Series 55 Navigation Lights

For Vessels Under 50 m (164 ft.)

Shock resistant, non-corrosive, non-magnetic and seawater resistant poly carbonate housing

Poly carbonate Fresnel lens gives 5 nm visibility for masthead lights, 2 nm visibility for others.

Bulb sold separately – voltage below

Base Mount

Port	66311490
Starboard	66311690
Masthead	66311710
Stern	66311710
All-round white	66311580
All-round red	66311590
All-round green	66311640
Yellow towing	66311650

Bulbs

12V, 25W	66311550
24V, 25W	66311570
32V, 25W	66311660
120VAC, 25W	66311670





Series 170 Lights

For Vessels Under 20 m (65 ft.)

High quality impact resistant plastic construction

Complete with 12V bulb

Certified for power or sail vessels

White Housing

Port	66310600
Starboard	66310610
Masthead (bow)	66310630
Stern	66310640

Black Housing

Port	66310510
Starboard	66310520
Masthead (bow)	66310530
Stern	66310540

Replacement Bulbs

12V – pkg of 2	66310580
24V – pkg of 2	66310580



Pipe Mount Adapter Kit

Pipe mount adapter kit	66310000
------------------------	----------

For Perko Series 200 base mount lights to be mounted on pipe, providing great versatility in mounting 1/2" NPT female thread includes rubber gasket and stainless steel installation screws



Series 200 Lights

For Vessels Under 20 m (65 ft.)

Complete with 12V bulb

D.O.T. and international Colreg's approved

Base Mount

Masthead (bow)	66310070
Stern	66310080
All around white	66310090
All around red	66310100
All round green	66310110
Port	66310160
Starboard	66310170
Yellow towing light	66315040

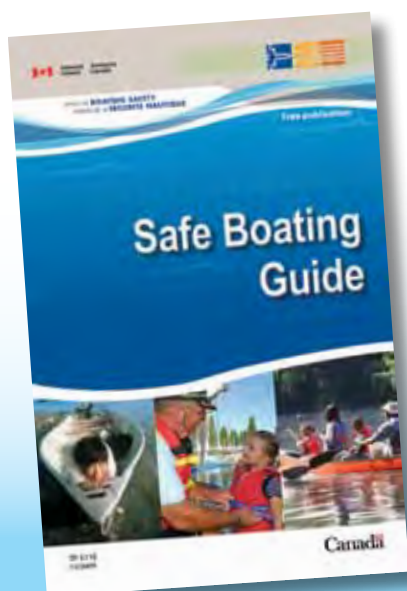
Side Mount

Port	66310120
Starboard	66310130
Masthead (bow)	66310240
Stern	66310250
Yellow towing light	66315050

Replacement Bulbs

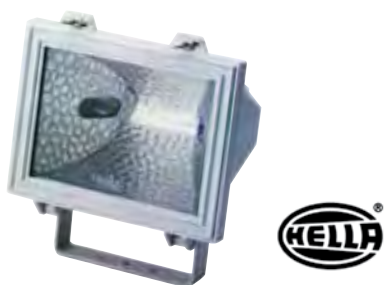
All coloured lights and white masthead light require a 25 Watt bulb; other white lights require a 10 Watt bulb

12V, 10W	66310180
12V, 25W	66310210
24V, 25W	66310220
32V, 25W	66310230



Transport Canada Safe Boating Guide

Free download available
online at www.tc.gc.ca



Quartz Halogen Floodlight

Corrosion resistant powder coated cast aluminum housing and stainless steel hardware

Tough safety glass

Convenient adjustable mounting bracket

Cooling fins for heat dissipation

Sold without bulb – see below for suitable bulb

White	66313760
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Quartz Halogen Bulbs

12V, 150W	36120174
24V, 300W	36120175
32V, 300W	36120176
120VAC, 500W	66313740

7" Searchlight

Lever controlled searchlight with heavy chrome plated bronze base and brass head

360° horizontal rotation, 70° vertical movement

Installation in ceilings up to 5" thick

Supplied without sealed beam;
see below to select proper sealed beam

Each	66313200
------	----------

Sealed Beams

12V, 35W HID	66313420
Replacement bulb	66313430
32V, 260,000 C.P. #PAR 200	66313150

Replacement Parts and Accessories

Front ring with screw	66313160
Control handle	66313120
Bellows cover kit	66313110
Yoke #36	66313190
Handle rod assembly #38	66313070
Cone point set screw #25	66313080
Roll pin #39	66313090
Pivot Bearing #37	66313100



Xenon HID Hand Held Searchlight

Efficient incredibly bright white HID light, brighter than a 150 Watt halogen light yet uses only 25% of the power

Durable, 100% waterproof housing with four convenient working positions

Complete with 8 ft. coiled cord and lighter plug

12V, 35W HID	66313420
Replacement bulb	66313430

If you drop it on concrete — pick it up and use it.
If you drop it in the water, it floats — pick it up and use it.



Nightblaster QH-2000 Hand Held Spotlights

12 VDC, 100 Watt 2,000,000 candlepower Xenon bulb produces brilliant illumination with less power consumption

Convenient trigger switch

ABS housing withstands the toughest weather conditions, corrosion and chipping

Complete with removable 10 ft. coiled cord with cigarette lighter adapter and handy storage compartment

Black	66313660
White	66313670
Replacement bulb	66313840



LED Cluster Lamp

Convert your double contact bulbs to LED quickly and inexpensively. Bright white LEDs draw negligible current, give off very little heat and last thousands of hours without burning out

White, 12V parallel pin	66314600
White, 12V non-parallel pin	66314610

Water Heater & Screens



Electric Water Heaters with Heat Exchanger

Atwood water heaters not only perform reliably to heat water quickly and efficiently, but also deliver every possible ounce of usable hot water from the tank

- Safe and efficient heat exchangers
- Corrosion resistant exterior options
- Designed for installation flexibility

110VAC, 1400 watt

6 gallon capacity, EHM6	66212880
6 gallon capacity with SS Casing, EHM6SST	66212830
11 gallon capacity, EHM11	66212890
11 gallon capacity with SS Casing, EHM11SST	66212960
20 gallon capacity, EH20	66212700
Replacement heating element, 91580	66212720

Compasses



DNP-200



FN-201



Navigator 2000 Compasses

Ideal for power and sailboats; fits all popular sailboat steering pedestals. Scientifically matched jewels and pivots. Full internal gimbals. Dual night lights. 45° lubber lines. Built-in compensators. Fiberglass reinforced valox and high impact cycloac cases. 100% repairability

Binnacle Mount

Polished stainless steel, Model DNP-200	66541250
---	----------

Flush Mount

Black, fits 4-3/4" mounting hole, Model FN-201	66541300
--	----------

4-1/2" 'power damp' dial

Replacement Parts

24V Step down resistor	66541300
Replacement bulb	66541300

Clearview Screens

Vastly improves visibility and safety when installed in the front windows of your vessel's wheelhouse

The rotating 12" diameter screen operates at 1900 rpm to throw off water, and the 170W heater melts ice, snow and slush for all-weather visibility

6 mm tempered glass screen can be installed in window thicknesses from 8 mm to 16 mm, with 12-3/4" diameter window cut-out required for installation



12V	66212000
24V	66322010
32V	66322020
110 VAC	66322030

Replacement parts

12V motor	66322100
24V motor	66322110
32V motor	66322120
110 VAC motor	66322130
Motor brushes, per pair	66322300



HD-744



HB-740

Helmsman Compasses

3-3/4" 'power damp' dial, black finish

Full internal gimbals, built-in compensators

Movable sun shield; night lighting

45° lubber lines

100% repairability

Sapphire jewels

Binnacle Mount

Model HD-744	66541440
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Bracket Mount

Model HB-740	66541450
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Replacement Parts

Replacement bulb assembly	66541770
24V Step down resistor	66541800



Explorer Compasses

Binnacle Mount

Quick push button removal of binnacle for storage and security

Snap-on/off binnacle mount, Model D-55

66541200

Bracket Mount

Adjustable and removable with bracket and thumbscrews

Bracket mount, Model B-51 **66541190**

Surface Mount

Low profile design with quick push button removal for storage and security

Surface mount, Model S-53 **66541220**

Dash Mount

Fits 3" instrument hole. Stylish bezel matches popular gauge designs. 2-3/4" direct reading dial. Black finish. Compact compasses perfect for small powerboats. Moveable sun shield for daytime and 12V night lighting. Built-in compensators. Jewel and steel pivot movements

Dash mount, Model V-57 **66541230**

Replacement Bulb

Replacement bulb **66541760**



5 year warranty!

D-84



B-80



F-82

Voyager Compasses

3" 'power-damp' dial, black finish

Internal gimbals

Movable sun shield; 12V night lighting

45° lubber lines

100% repairability

Binnacle Mount

Model D-84 **66541380**

Bracket Mount

Model B-80 **66541350**

Flush Mount

Model F-82, open face dial **66541370**

Replacement Parts

Replacement bulb assembly **66541770**

24V Step down resistor **66541800**



TR-31G

TR-31

CAMO TR-31S

Trek Compasses

Bracket Mount

2-1/4" direct reading dial

High impact rubber accent strip, ideal for runabouts, center consoles, small fishing boats, ski boats, cars, trucks, RVs and ATVs

Fully adjustable, reversible bracket allows a mounting range over 300° from overhead, through vertical, to horizontal surfaces, permitting installation on almost any flat, angled or vertical surface

Large numerals for easy reading and 12V green NiteVu lighting

Built-in compensators to correct for deviation
100% repairable

Black with black dial, Model TR-31

66541550

Grey with blue dial, Model TR-31G

66541560

Camouflage with black dial, Model TR-31S

66541310

SUPPLY CHAIN MANAGEMENT

IMP Marine is an innovator in supply chain management services. Offering Industry leading procurement and inspection services combined with just in time delivery

Just ask us how



IC-M34 Handheld Marine Band Transceiver

5W waterproof handheld. It floats. If you drop the IC-M34 into the water, it comes to the surface so that it can be easily retrieved. The radio has a rugged submersible body equivalent to IPX7 (1m for 30 minutes), but it is not designed to be used under water. It will keep working after it has been submerged. Choose reliable marine communications that won't let you down in or out of the water

- Easy to see LCD with large channel indication
- Easy to use, easy to hold
- Quick channel selection with favorite channel function
- 9-hours operation with Lithium-ion battery pack, charger included
- AquaQuake draining function
- Optional speaker-microphone, HM-165
- Powerful 5W output power
- Dual/tri-watch functions
- 4-step battery life indicator
- 2-step power saver and auto scan function
- Instant access to Ch 16 or Ch 9

Special Order Only



IC-M504 Fixed Mount VHF Marine Transceiver

The successor to the IC-M502 with newly added features and functions

- Submersible PLUS (1.5m depth for 30 minutes) (equivalent to the IPX8)
- ITU Class D DSC built-in
- Position report/position report function (GPS required)
- 25W hailer/RX speaker and auto foghorn
- 4x6-inch flush mount body
- Superior receiver performance
- Excellent audio output power
- Instant access to Ch. 16 and call channel
- 7-level adjustable backlit display and keypad
- Optional Voice Scrambler
- UT-112 for private communication
- Black or gray color versions
- Optional COMMANDMICII allows second station or intercom function

Special Order Only



IC-M604 Fixed Mount VHF Marine Transceiver

High performance VHF marine radio with two optional COMMANDMICs

- Waterproof, not just water resistant (IPX7)
- 55 marine channels with TAG scan
- 2nd station ready with optional COMMANDMIC II or III
- 70 private channels available
- Built-in DSC (Digital Selective Calling) Class D
- Position request/position report (GPS required)
- Built-in 30W, 2-way hailer with foghorn
- Rx speaker function (Received radio audio from hailer)
- Large dot-matrix LCD
- Display course, speed, position, time and date from external GPS

Special Order Only

Windshield Wipers



Standard Pattern Windshield Wipers

Waterproof, heavy duty motor

Preset sweep angle of 110° is easily adjusted to 85°, 100°, or 120°

You need three components to put together a complete wiper: motor, arm, wiper blades

1) Motor

Self-contained, corrosion resistant, painted finish

12V

12V, 1-1/2" shaft	66320200
12V, 2-1/2" shaft	66320240
12V, 3-1/2" shaft	66320230

24V

24V, 1-1/2" shaft	66320220
24V, 2-1/2" shaft	66320210
24V, 3-1/2" shaft	66320250

2) Arm

Heavy duty, stainless steel, adjustable from 15" to 19"

Each	66320340
------	-----------------

3) Wiper Blades

14"	35060078
16"	35060072
18"	35060095

Stainless steel, heavy duty

Pantographic performance at an affordable cost



Pantograph Style Windshield Wipers

Waterproof, heavy duty motor

Standard motor configuration provides 110° sweep angle but is easily adjustable to 85°, 100°, and 120°

You need three components to put together a complete wiper: motor, arm, wiper blades

1) Motor

Totally self-contained requiring no external linkage. Exposed parts are corrosion resistant. Waterproof. Painted

12V

12V, 1-1/2" shaft	66320200
12V, 2-1/2" shaft	66320240
12V, 3-1/2" shaft	66320230

24V

24V, 1-1/2" shaft	66320220
24V, 2-1/2" shaft	66320210
24V, 3-1/2" shaft	66320250

2) Pantograph Arms

14"	35060094
16"	35060066
18"	35060039

3) Wiper Blades

12", Flex	66320500
14", Flex	66320510
16", Flex	66320580



Wiper Blades

Polished stainless steel

12", WBS30	66913310
16", WBS41	66913320
20", WBS51	66913330

Stainless steel, coated black

12", WBB30	66913280
16", WBB41	66913290
20", WBB51	66913300



Adjustable Wiper Arms – Stainless Steel

11" to 14-9/16", SSAS	66913390
15-5/8" to 18-15/16", SSAL	66913400
15-3/16" to 22", SSAX	66913410
Parallel, 12-1/8" to 15-1/2", SSAD	66913420



Adjustable Wiper Arms

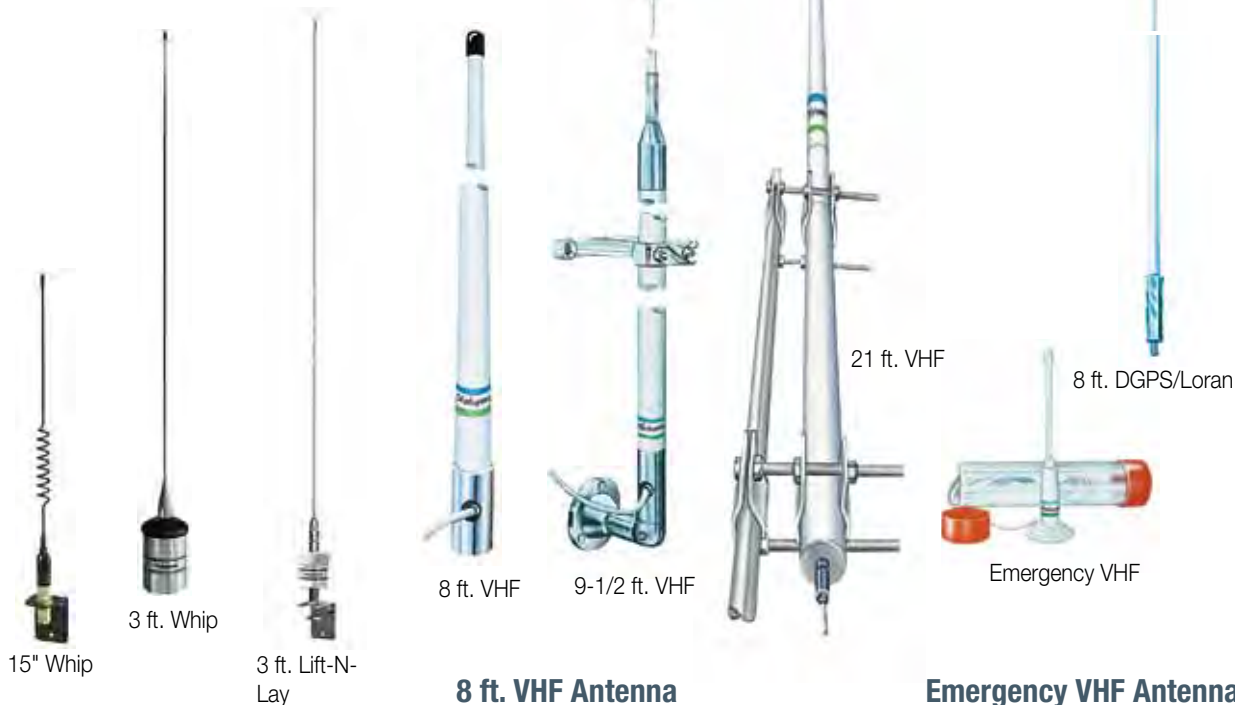
The metal parts of these wiper arms are made of high-gloss polished stainless steel and the black components are made of top-grade synthetic materials

11" to 14-9/16", RWAS	66913340
15-5/8" to 18-15/16", RWAL	66913350
15-3/16" to 22", RWAX	66913360
Parallel, 12-1/8" to 15-1/2", RWAD	66913370
Parallel, 15-3/16" to 18-1/2", RWADX	66913380

Antenna & Mounts



Shakespeare fiberglass antennas are created using a white fiberglass with tensile strengths far exceeding those required to withstand rough seas, manufactured with chrome-plated brass ferrules and brass and copper elements.



15" Whip VHF Antenna

Super lightweight 15" black VHF Marine antenna with gold-plated connector, centre-loaded, designed for sailboat racers

Delivers Unity Gain

Comes with black L-bracket for mounting atop mast

Model 5216 **66353120**

3 ft. Whip VHF Antenna

For any vessel where compact size is the priority

Chrome-plated brass canister minimizes de-tuning

Comes with a standard-duty 36" stainless steel whip for extra stability at high speeds

Model 5240-R **66353020**

3 ft. Lift-N-Lay VHF with L-Bracket

Low-profile end-fed 1/2 wave with standard duty stainless steel whip and convenient press-and-twist bayonet fitting that makes attaching or removing whip quick and easy

Model 5242-A **66353090**

8 ft. VHF Antenna

Economical and lightweight with 6 dB gain

Includes 15 ft. RG58 cable and PL-259 connector

Limited 2 year warranty

Model 5206C **32200074**

9-1/2 ft. VHF Antenna

Professional quality 2 piece antenna best suited where the top performance of a large antenna is required but the size cannot be accommodated

6 dB gain

Stand off bracket

Comes with 15 ft. RG-58 cable and PL-259 connector

Model 399-1 **66353130**

21 ft. VHF Antenna

One piece antenna

Phased 1/2 wave brass and copper elements stacked in a collinear array provide 10 dB gain
2-3/4"D x 26"L aluminum sleeve can be strapped directly to a mast or a mount

21 ft. VHF - Model 476 **66353140**

Emergency VHF Antenna

Compact 10" flex VHF antenna

Comes packed in a weather resistant clear plastic tube

Complete with 12 ft. RG-8/X cable, connector and rubber suction cup

Model 5911 **32200084**

8 ft. DGPS/Loran Antenna

Top loaded, with chrome plated brass ferrule and 3/8" - 24 threads; features high gloss, premium finish

Model 4208 **66352850**

18 ft. Big Stick CB Antenna

10 ft. base with 8 ft. tip

Provides maximum performance and durability for long distance communication in work boat and large yacht installations

7.65 dB gain; 27 MHz citizens band frequency

Chrome-plated brass ferrule with standard 1in-14 thread, SO-239 connector on side of ferrule

Model 176-1 **32200090**

Antenna Extensions—Stainless Steel

304 stainless steel antenna extension masts with polished finish and standard 1"-14 thread. One end female and one end male thread. Extensions can be used with all 1"-14 mounts shown

1 ft. extension	32200093
2 ft. extension	66353560

3 ft. VHF Antenna

Stainless steel whip antenna popular for mast or rail mounting on sailboats

Includes L shaped bracket for easy mounting

3 dB gain

UHF female cable connection (no cable supplied)

Model CELmar0-1	32020033
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PERKO®



Ratchet Mounts

Standard 1"-14 threads

Nylon	32200033
Stainless steel	32200052



Stand-Off Bracket – Plastic

Insulated white molded, corrosion resistant plastic stand-off bracket

Easy opening for quick lay down

Includes bolts, nuts and lock washers

Fits 1", 1-1/8" or 1-1/2" diameter antennas when used with inserts

Plastic	32200095
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Fixed Mount All Round White Lights

For Vessels to 65 ft.

Each	66310460
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White translucent globe on telescoping aluminum mast with 16° rake angle mount maximum vertical height 26-1/2" complete with 12V bulb

For Vessels to 40 ft.

Each	66310440
------	-----------------

White translucent globe with black plastic top and base. Complete with 12V bulb

12V Replacement bulb, per pair	66310450
Replacement globe	66310430

8 ft. AM/FM Antenna

One section with smooth, durable, high gloss finish

Chrome-plated brass ferrule with standard 1"-14 thread

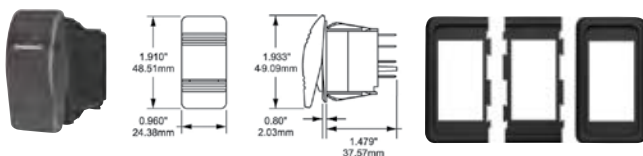
Includes 15 ft. RG-62 cable and Motorola connector

Model 5120	32020035
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ELECTRICAL

Panels



Contura Waterproof Switch Panels

- Made from 1/8" aluminum, equipped with built-in ON indicating LEDs
- Accepts AGC fuses up to 20 Amp
- Complete with waterproof mounting gasket and set of 30 common DC labels (not backlightable)
- Perfect for flybridge, open cockpit, or any other exposed locations, these panels will withstand water exposure normally encountered from salt spray, rain, hose washdown ...even momentary immersion

6 circuit, vertical panel

Model 8053, 12VDC **66332200**

5-1/4"W x 7-1/4"H

8 circuit, horizontal panel

Model 8261, 12VDC **66332210**

9-3/8"W x 3-3/4"H

Replacement fuse holder

20 Amp **66332020**

Contura Switches and Mounting Panels

- Vibration, shock, thermoshock, moisture and salt spray resistant
- Meets UL1500 and ISO8846 ignition protection requirements; safe for installation on gasoline powered boats
- Mounting holes 1.45" x 0.83"
- Temperature rating -40°C to +85°C

Switches

Off-(On)	66331640
On-Off-On	66331650
(On)-Off-On	66331660
Off-Off	66331620

Switches

Single pole double throw (On)-Off-(On)	66360430
Double pole single throw Off-Off	66360440
Double pole single Off-(On)	66360450
Double pole double throw On-Off-ON	66360460
Double pole double throw (On)-Off-ON	66360470
Double pole double throw (On)-Off-(On)	66360480

Mounting Panels

- Modular design for easy assembly in groups of varying sizes
- Mounting panels available in 1, 3, and 6 fixed position models, designed for mounting in 6 panel thicknesses: 0.06" (1.57mm), 0.09" (2.36mm), 0.13" (3.17mm), 0.19" (4.75mm), 0.25" (6.35mm), or 0.38" (9.52mm)

End mounting panel 8267	66331600
Center mounting panel 8266	66331610
Single mounting panel 8268	66331630

CARGO RESTRAINING NETS

IMP Cargo Restraining Nets are manufactured exclusively by our Net Manufacturing Division located in Dartmouth, Nova Scotia, Canada for the transport, shipping and consumer industries

Bulk loads in open-bed vehicles require cargo restraint devices. Our cargo nets provide the best solution to assure compliance with those laws

The Net is made from heavy-duty green braided PE knotted netting, attaches easily, handles odd-shaped loads, observes transportation regulations, reduces the loss of cargo and fits most sizes of pickup trucks and utility trailers

Custom sizes available upon request

Panels, Breakers & Switches



Circuit Breakers

- 30 VDC maximum voltage rating
- Combines switching and circuit breaker functions in one unit
- Weatherproof, vapourproof and ignition protected for installation on gas or diesel powered boats
- Designed with safety in mind, these breakers cannot be held closed after a trip
- Mounting holes for 1/4" fasteners and robust 1/4" stud terminals

60 Amp	66330830
80 Amp	66330840
100 Amp	66330850
135 Amp	66330860

Approx. 2"W x 3"H

Heavy Duty Circuit Breakers

- Single pole AC/DC. C.S.I. approved magnetic/hydraulic breakers
- Use with 12, 24, 32VDC or 110VAC circuits

Black toggle switch

5 Amp	66330100
10 Amp	66330110
15 Amp	66330120
20 Amp	66330130
25 Amp	66330140
30 Amp	66330160
50 Amp	66330150
100 Amp Single	66330180
100 Amp Double (2 x 50)	66330170

White toggle switch

5 Amp	66330020
10 Amp	66330030
15 Amp	66330040
20 Amp	66330050
25 Amp	66330060
30 Amp	66330070
50 Amp	66330080
100 Amp Single	66330090

Circuit Breakers

5 Amp	66330730
10 Amp	66330720
15 Amp	66330710
20 Amp	66330700

Heat activated



Waterproof Fuse Panels

Grey

2 position - Model 4302	66341820
4 position - Model 4304	66341830
6 position - Model 4306	66341840
8 position - Model 4308	66341850

White

2 position - Model 4312	66341860
4 position - Model 4314	66341870
6 position - Model 4316	66341880
8 position - Model 4318	66341890

- Corrosion resistant materials, UV stabilized and weather resistant faceplate
- Designed for flybridge and open cockpit applications, each panel can be mounted in four different orientations
- Integrated ATO/ATC fuse based circuit protection

Battery Selector Switch

- 230 Amp continuous, 350 Amp momentary
- Standard duty complete with alternator field disconnect to protect your alternator if you accidentally switch off while engine is running

Each	66331010
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Battery On/Off Switch

- 250 Amp continuous, 360 Amp momentary, no alternator field disconnect
- Capacity up to 50 VDC
- Ideal for standard battery duty or other high amperage control

Model 9601DP	66331120
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DC 2 Circuit Panel

- 5 3/8"W x 2 1/2"H
- Heavy duty panel that uses magnetic/hydraulic breakers, good for special circuits such as clearview screen, electric clutch, etc.
- Complete with indicator lights, hardware, bus bars and labels

12, 24, or 32V	66330530
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Supplied without breakers



Panels & Cables



DC Circuit Breaker Panels

All DC panels include set of 30 common labels



DC 10 Circuit Panel, Analog Gauges

DC 10 Circuit Panel, Analog Gauges

- 5-1/4"W x 11-1/4"H; breakers: seven 15 Amp; three blank; weight 4.06 lbs.
- Includes 8-16 volt DC voltmeter with 3-position switch to monitor multiple battery banks and 0-50 Amp DC ammeter, with remote shunt

Type	Item Number
12VDC - Model 8082	66332060



DC 10 Circuit Panel, Digital Gauges

DC 10 Circuit Panel, Digital Gauge

- 5-1/4"W x 11-1/2"H; breakers: seven 15 Amp; three blank; weight 4.21 lbs.
- Digital multimeter displays amperes to 500A, voltage to 60V. 12 or 24VDC panel includes high and low voltage alarms with 3-position switch for multiple battery banks. All positive, negative and grounding buses installed, fully pre-wired

Type	Item Number
12/24VDC - Model 8402	66330410



Economy Switch Panel

6 toggle switches and fuses; aluminum mounting plate

66330500



Waterproof Switch Panels

- Black aluminum panels; gasketed rocker switches
- Equipped with ON indicating LEDs, AGC fuses and 30 preprinted labels

Type	Item Number
6 circuit, 12 VDC	66330590
5-1/4"W x 7-1/2"H	
3 circuit, 12 VDC	66330580
5-1/4"W x 3-3/4"H	



2 Conductor Round Boat Cable

- Same specifications as flat wire; round shape for cable clamps, passing through grommets in fixtures, thru-deck and bulkhead fittings

Standard 100 ft. coils

ga.	Item Number
16	66340710
14	66340720
12	66340730

Price per foot



2 Conductor Flat Boat Cable

- Stranded tinned copper conductors offer maximum protection against electrolysis and salt air environment
- Colour-coded, PVC insulated with PVC jacket
- UL listed. 600 volts

1,000 ft. Reels

ga.	Item Number
16	66340050
14	66340060
12	66340070
10	66340080

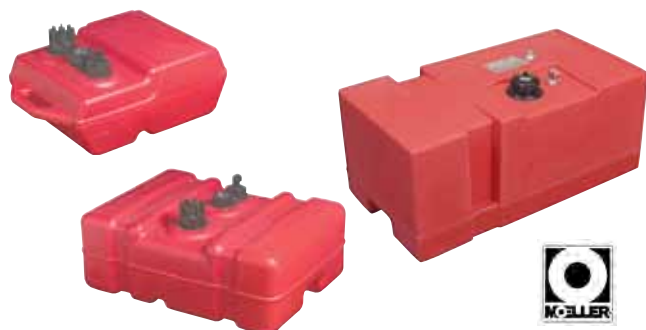
Standard 100 ft. coils

ga.	Item Number
16	66341140
14	66340080
12	66340090
10	66340030

Price per foot

ENGINE & STEERING

Tanks, Cables & Flaps



Portable Plastic Fuel Tank

These fuel tanks are manufactured with UV-stabilized high density polyethylene, with a mechanically vented fuel cap and an easy-to-read sight gauge. The lightweight dent resistant tanks feature a built-in fuel reserve capacity, a stout handle for easy transportation, and a universal 1/4" 90° NPT fuel pickup. Hose connection fittings not included

25 L (6.6 gallon) fuel tank

Size	Item Number
14"W x 11-1/4"H x 21-1/4"L	66702200
Replacement fuel cap	66702210

Above Deck Fuel Tanks

45 L (12 gallon) above deck tank

Size	Item Number
18"W x 13"H x 24"L	66702180

76 L (20 gallon) above deck tank

Size	Item Number
15"W x 13-7/8"H x 28"L	66702190



Hose Clamps – Stainless Steel

Size	No.	Item Number
7/16" to 1"	8	54020086
9/16" to 1-1/4"	12	54020032
1-1/16" to 1-1/2"	16	54020019
3/4" to 1-3/4"	20	54020044
1" to 2"	24	54020022
1-3/4" to 2-3/8"	28	54020045
1-1/2" x 2-1/2"	32	54020023

All stainless steel including bolt. Fits hose OD.



3300C/3300S Extreme Series

3300C Engine Control Cables

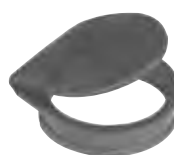
3" travel, 8" minimum bend radius, 10-32 UNF threaded ends. All stainless steel core construction, output ends and fittings with durable UV resistant HDPE outer casing to resists abrasion and withstand salt water, gasoline, diesel oil and chemicals. Spiral lay wires are extremely resistant to high temperatures compared to straight lay wires. Lifetime lubricated and sealed



Size (ft.)	Item Number
6	66458400
7	66458410
8	66458420
9	66458430
10	66458440
11	66458450
12	66458460
13	66458470
14	66458480
15	66458490
16	66458500
17	66458510
18	66458520
19	66458530
20	66458540
21	66458550
22	66458560
23	66458570
24	66458580
25	66458590
26	66458600
28	66458610
30	66458620
32	66458630

Rubber Exhaust Flaps

Prevents back flow of water in exhaust line. Secure to exhaust flange with stainless steel hose clamp supplied



Size	Item Number
2-3/8" and 2-7/8"OD	46520031
3-1/2" and 4"OD	46520032

Controls



Cable Connection Fittings

Fitting	Item Number
Ball Joint, 3300	66459060
Ball Joint, 4300	66459130
Pivot, 3300	66459140
Pivot, 4300	66459150
Replacement cotter pin	66454310
Clamp, 3300	66459230
Clamp, 4300	66459170
Shim, 3300/4300	66459250
Clamp & Shim, 3300	66459100
Clamp & Shim, 4300	66459110
Stop Collar 3300	66459690
Clevis, 3300	66459290
Clevis, 4300	66459210
Terminal Eye, 3300	66459270
Terminal Eye, 4300	66459190
Cable Clip	66459080



S and Twin S Controls

Highly polished corrosion resistant chrome plated brass covers and high strength forged chrome plated levers, with stainless steel hanger plates. Adjustable brakes and stops. Uses Morse 33C or 43C Red-Jacket cables

Twin lever for clutch and throttle

Type	Item Number
Model 31001	08040101

Single lever for clutch or throttle

Model 31002	08040107
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Replacement Parts and Accessories

Type	Item Number
Spare Fittings Kit - 308727	66450440
Clutch Detent Kit - 22328	66449260
Dual Station Kit, 33C - 039489-002	66449270
Dual Station Kit, 43C - 42152	66449280
Neutral Safety Switch - 47307	66449290
Throttle Friction Kit - 306997	66449300
Control Knob, Black - CA69051P	66449340

Control – Economy

Twin Lever Control 08040033

solid brass, heavy chrome-plated single function twin lever control for lighter service



KOBELT
QUALITY CONTROL



Model 2015



Model 2009/2010

Medium Duty Controls – Twin Lever

Extremely heavy duty bronze and stainless steel construction. The medium duty controls used in most inshore vessels in Atlantic Canada

Single Station

Type	Item Number
2-3/8" cable stroke, Model 2010	66450210

Single or Dual Station

3" cable stroke, Model 2009	66450220
3" cable stroke, Model 2015	08040096

Connection Kits for 33 Series Cables

Kit 2010-0901, Model 2010	08070045
Kit 2009-0901, Model 2009	08070041
Kit 2015-0901, Model 2015	08070046

Connection Kits for 43 Series Cables

Kit 2010-0902, Model 2010	66453110
Kit 2009-0902, Model 2009	66453100
Kit 2015-0902, Model 2015	66453130

Shaft Bearings & Stuffing Boxes

DURAMAX MARINE^{LLC}

Johnson Cutless® Water Lubricated Shaft Bearings

Naval brass tube,
full ABS type approval



Nut Style Stuffing Boxes

Style	Item Number
1-3/4", LH for 2" tube	66420300
1-3/4", RH for 2" tube	66420310
2", LH for 2-1/2" tube	66420320
2", RH for 2-1/2" tube	66420330
2-1/4", LH for 2-1/2" tube	66420340
2-1/4", RH for 2-1/2" tube	66420350
2-1/2", LH for 3" tube	66420360
2-1/2", RH for 3" tube	66420370



Rudder Stuffing Boxes - Cast Bronze

Style	Item Number
1-1/4", takes 1/4" packing mounting holes 3-1/16" centre to centre	66422150 66420310
1-1/2", takes 1/4" packing mounting holes 3-3/8" centre to centre	66422160 66420330
1-3/4", takes 1/2" packing mounting holes at 2-1/2" x 5-1/2"	66422170 66420350
2", takes 3/8" packing mounting holes at 2-1/2" x 5-1/2"	66420180 66420370
2-1/4", takes 3/8" packing mounting holes not machined	66422190
2-1/2", takes 3/8" packing mounting holes not machined	66422200

Replacement Parts

Style	Item Number
1-1/4" Locknut	66422250
1-1/2" Locknut	66422260
1-3/4" Locknut	66422270
2" Locknut	66422280
1-1/4" Packing nut	66422350
1-1/2" Packing nut	66422360
1-3/4" Packing nut	66422370
2" Packing nut	66422380

Shaft Dia. (")	OD (")	Length (")	Code	Item Number
7/8	1-1/4	3-1/2	ACID	66425470
1	1-1/4	4	BACK	66425550
1	1-3/8	4	BAIT	66425510
1	1-1/2	4	BALE	66425520
1-1/8	1-1/2	4-1/2	BEAM	66425560
1-1/4	1-3/4	5	BIRD	66425610
1-1/4	2	5	BITE	66425670
1-1/2	2	6	BOSS	66425680
1-1/2	2-3/8	6	BRAD	66425680
1-3/4	2-3/8	7	BROW	66425710
1-3/4	2-5/8	7	BUCK	66425720
2	2-5/8	8	CALL	66425750
2	3	8	CALM	66425760
2-1/4	2-15/16	9	CARE	66425790
2-1/4	3	9	CARD	66425820
2-1/4	3-1/8	9	CART	66425800
2-1/4	3-3/8	9	CASE	66425810
2-1/2	3-1/8	10	CORD	66425830
2-1/2	3-3/8	10	CORN	66425840
2-1/2	3-1/2	10	COVE	66425850
2-3/4	3-3/8	11	CROW	66425860
2-3/4	3-3/4	11	CURD	66425870
3	3-3/4	12	DANE	66425880
3	4	12	DARE	66425900
3-1/4	4	13	DARN	66425920
3-1/2	4-1/4	14	DINE	66425950
3-1/2	4-1/2	14	DOCK	66425960
4	5	16	EARN	66425970
4	5-1/4	16	EASE	66425980
4-1/4	5-1/2	17	EDIT	66426010
4-1/2	5-1/2	18	EPIC	66426020
4-1/2	5-3/4	18	EDGE	66426030
5	6-1/8	20	FACE	66426080
5-1/2	7	22	FIND	66426100

Bearings & Pumps



Stuffing Box Packing – Teflon

Highest quality Ramie yarn packing with PTFE (Teflon) suspensoid in a square plait construction with additional lubrication added to minimize shaft wear and allow for expansion during break-in period

10 lb. Reels

Size	Item Number
1/4", 10 lb. reel (167 ft.)	66400800
5/16", 10 lb. reel (135 ft.)	66400810
3/8", 10 lb. reel (115 ft.)	66400820
1/2", 10 lb. reel (70 ft.)	66400830
5/8", 10 lb. reel (38 ft.)	66400840

5 ft. Packages

Size	Item Number
1/4", 5 ft. package	46540153
5/16", 5 ft. package	46540152
3/8", 5 ft. package	46540150
1/2", 5 ft. package	46540151
5/8", 5 ft. package	46540152



Stuffing Box Packing – Flax

10 lb. Reels

Size	Item Number
1/4", 10 lb. reel (346 ft.)	66400300
5/16", 10 lb. reel (219 ft.)	66400310
3/8", 10 lb. reel (157 ft.)	66400320
1/2", 10 lb. reel (85 ft.)	66400330
5/8", 10 lb. reel (54 ft.)	66400370

5 ft. Packages

Size	Item Number
1/4", 5 ft. package	46540088
5/16", 5 ft. package	46540092
3/8", 5 ft. package	46540089
1/2", 5 ft. package	46540087
5/8", 5 ft. package	46540093



Standard Babbitt Steady Bearings

Cast iron

Supplied with grease nipple

2 bolt mount

Size (")	Item Number
1-1/2	66412140
1-3/4	66412160



Extra Heavy Babbitt Steady Bearings

Longer for greater shaft stability

4 bolt mount

Size (")	Item Number
1-1/2	66412170
1-3/4	66412180
2	66412200
2-1/4	66412210
2-1/2	66412220



Front Mount Outboard Cylinders

Size	Item Number
HC5345	66440840
HC5347	66440860
HC5358	66440880
Seal Kit HS5167	66443090
Bleeder Tee for HC5345	66440850



Tie Bars

Type	Item Number
Universal	66440910
Twin engine single cylinder	66440890
Twin engine dual cylinder	66440900
Spacer kit for tie bar	66440870

*Spacer required as indicated



Front Mount Helm Pumps

Type	Item Number
Sea Star I: HH5271	66440200
1.7 cu. in. displacement for boats up to 30 ft.	
Sea Star II: HH5272	66440210
2.4 cu. in. displacement for boats up to 36 ft.	



Outboard Hydraulic Hose Kits

Size	Item Number
2 hoses, 12 ft.	66443410
2 hoses, 14 ft.	66443310
2 hoses, 16 ft.	66443320
2 hoses, 18 ft.	66443330
2 hoses, 20 ft.	66443340
2 hoses, 22 ft.	66443370
2 hoses, 24 ft.	66443380
2 hoses, 26 ft.	66443400



SeaStar Capilano Cylinders

Bronze and stainless steel, with stainless steel ball joint or bronze clevis rod ends. Comes with bleeder tees to facilitate air removal

Type	Item Number
Model HC5349: BA150-7 TMB cyl., with ball joint end	66440780
Model HC5355: BA150-7 TMC cyl., with clevis end	66440720
Model HC5356: BA175-7 TMC cyl., with clevis end	66440730
Model HC5350: BA175-7 TMB cyl., with ball joint end	66440790
Model HC5357: BA200-7 TMC cyl., with clevis end	66440740
Model HC5351: BA200-7 TMB cyl., with ball joint end	66440800
Model HC5379: BA200-11 TMC cyl., with clevis end	66440750

Cylinder Seal Kits and Parts

Type	Item Number
Seal Kit HS5182 for BA150-7	66443020
Seal Kit HS5183 for BA175-7	66443030
Seal Kit HS5184 for BA200-7	66443040
Seal Kit HS5185 for BA200-11	66443080
5/8" N.F clevis, 5/8" ss pin	66440960
3/4" N.F clevis, 5/8" ss pin	66440970
Brass jam nut	66440980

Industrial & Marine Products

One of the Marine Division's primary business functions is the supply and distribution of a wide array of industrial and marine products

With IMP's diversification and experience in the industry we have amassed an impressive portfolio of proven lines



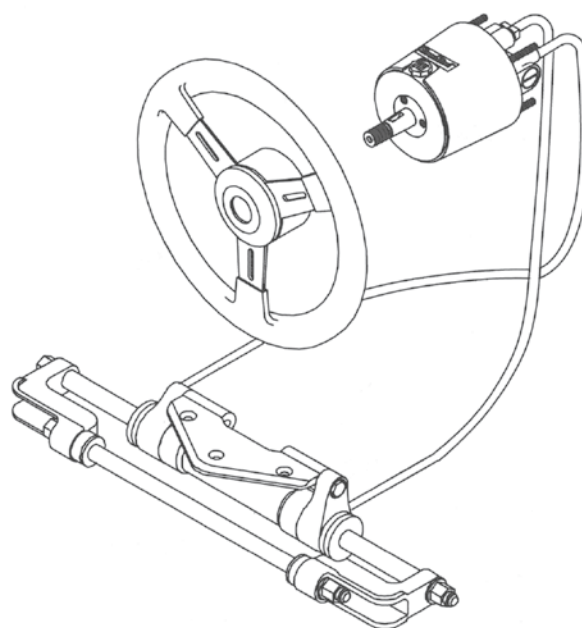
SeaStar Capilano Helm Pumps

Variable displacement enables the helmsman to adjust the steering wheel turns to suit various maneuvering and weather conditions

Designed to eliminate potential air traps and enhance air removal

Port size 3/8" NPT

Type	Item Number
Model HH5250: 1250V, 1.7–3.4 cu. in. displacement	66440020
Model HH5275: 1275V, 2.7–5.4 cu. in. displacement	66440030
Replacement seal kit	66443000



Commercial SeaStar Helm Pump

Front mount; designed for smaller fishing vessels involved in lobster and crab industries. Stainless steel shaft with heavy duty shaft seal and wiper protect the pump from the abrasive effects of sediment that is brought on board during handling of traps or pots

Type	Item Number
Model HH5217, 1.7 cu. in	66440680
Model HH5224, 2.4 cu. in	66440710

SeaStar Helm Pumps

Fixed displacement pumps feature easy access filling, built-in lock valve, patented bleed tubes for easy bleeding and 1/4" NPT ports. Includes hose elbows, tube fittings and mounting hardware



SeaStar Rear Mount Helm Pumps

Fixed displacement pump mounts behind dash; approximately 6" clearance required behind dash for installation. Requires the installation of a remote filler port. Includes fittings and mounting hardware

Type	Item Number
Model HH5261, 1.7 cu. in.	66440220
Model HH5262, 2.4 cu. in.	66440690

Fuel



Diesel Biocide

Racor's alcohol free Diesel Biocide kills more algae and bacteria than any other brand. Fuel and water soluble, it doesn't cause foaming and mixes well with fuels at all temperatures

Type	Item Number
16 oz. (473 mL), treats 128 gal.	66436140



Diesel Conditioner Plus+

A multifunction diesel additive for year-round use. Improves fuel economy and reduces friction. Stabilizes fuel during storage and keeps injectors clean. Dissolves gums and varnishes. Makes starting easier and increases power. Prevents corrosion. Alcohol free

Type	Item Number
16 oz. (473 mL), treats 320 gal.	66436000
1 gal. (3.78 L), treats 2,560 gal.	66436020

SeaStar Oil



Type	Item Number
One litre	66443300
One gallon	66443290

SeaStar Helm Pumps Seal Kits and Parts

Type	Item Number
Seal kit HS5151 - SeaStar I and II	66443050

Old Style Helms (Square Flange Mount)

Seal kit HS5176 - SeaStar I and II	66443010
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New Style Helms (4-bolt Rear Mount)

Auto pilot fitting kit add a station	66440940
Fitting kit for 3/8" hose, 3 per kit	66440950
Replacement helm nut	66440240



Diesel Performance Plus+

Racor Diesel Performance Plus+ has the same engine protection qualities of Diesel Conditioner Plus and five times the Cetane improver. The added performance comes with improved lubricity. Diesel Performance Plus+ is alcohol-free for better fuel system component protection

Type	Item Number
16 oz. (473 mL), treats 80 gal.	66436010



Diesel Winter Plus+

Inhibits fuel icing, waxing and gelling in cold weather. Improves fuel flow and eases starting. Alcohol free. Protects against corrosion and stabilizes fuel quality. Improves fuel filter/water separator efficiency

Type	Item Number
16 oz. (473 mL), treats 128 gal.	66436050
1 gallon (3.78 L)	66436060



Diesel Bio-Con

Exclusive formula designed to remove slime and sludge caused by bacteria in diesel fuels. Disperses moisture. Eliminates corrosion, rust, hard starting and excessive smoke. Eliminates and prevents clogging of injectors. Keeps fuel tank, lines, and filters clean

Type	Item Number
12 oz. (355 mL), treats 50 gal.	66604630



Diesel Fuel Stabilizer

A concentrated, high-potency formula that keeps stored diesel fresh for easy start-up next season and optimum performance year round. Protects against gum and resin build-up

Type	Item Number
8 oz. (237 mL), treats 19 gal. gas or 79 gal. diesel	66604640

Pumps & Switches



3700 Bilge Pumps

1-1/2" discharge hose

Heavy duty construction for both commercial and pleasure boat use. Ball bearing motor, Stainless steel shaft, Teflon seals. Double insulated "SuperSwitch" should be used with this pump

3700 gph – 12V, 15.5 Amps	42020009
3700 gph – 24V, 6.9 Amps	42020017
3700 gph – 32V, 5.0 Amps	42020018
Replacement strainer	66220200

2000 Bilge Pumps

1-1/8" discharge hose

2000 gph – 12V, 8.4 Amps	42020008
2000 gph – 24V, 4.0 Amp	42020013
2000 gph – 32V, 3.1 Amp	42020014
Replacement strainer	66220190

1500 Bilge Pump

1-1/8" discharge hose. Double insulated motor and heavy 5/16" stainless steel shaft

1500 gph – 12V, 4.8 Amps	42020012
Replacement strainer	66220190



1000 Bilge Pump

1-1/8" discharge hose and fittings. Small enough to fit in deep "V" power boats and other normally inaccessible areas

1000 gph – 12V, 2.9 Amps	42020007
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500 Bilge Pump

3/4" discharge. With amazing capacity for smaller boats, miniaturized to fit restrictive areas yet has all the features of Rule submersible pumps

500 gph – 12V, 1.9 Amps	42020011
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Rule-Mate Bilge Pumps

1-1/8" discharge hose. Fully automated pump and non-mercury float switch in a single compact housing

1500 gph – 12V, 4.8 Amps	42020084
2000 gph – 12V, 8.4 Amps	42020085



Standard Bilge Pump Hose

Corrugated plastic hose with cuff every 12 inches for ease of installation. For manual, electric and auto bilge pumps

3/4" ID x 7/8" OD	66230000
1-1/8" ID x 1-1/4" OD	66230010
1-1/2" ID x 1-5/8" OD	66230020

Price per foot



SuperSwitch

Converts any pump to automatic operation. For all voltages up to 110V. Complete with built-in fuse holder

66220550



Rule-A-Matic Float Switch

Complete with built-in fuse holder

22040006



Rule-A-Matic Plus Float Switch

Incorporates an impact resistant cover to combat against debris and jamming. Wire leads are located on top of the switch to keep them out of water. Two tiers of water slots and the foam-filled float help prevent clogging and water-logging. Can be used for pumps up to 20 Amps. Complete with built-in fuse holder

22040012



Waterproof Bilge Pump Switch

Aluminum panel with gasketed, 3-position rocker switch has AUTO, OFF, and spring return MANUAL positions; ON indicating LED. Accepts AGC fuses. 2"W x 3-1/2"H

12 VDC

66220720



Bilge Pump Control Panels

Push button manual or automatic bilge pumping selection; automatic feature operates in combination with any automatic switch. Three-position matte black switch panel with integrated fuse holder and operating light; fuses included

12V

66220770

24V

66223780



3 Way Bilge Pump Panels

Stainless steel panel, red indicator light and fuse holder complete with switch; controls any pump equipped with automatic switch. Automatic, off or manual positions; spring return off from manual position

12V

35610001

24V and 32V

66220710



Waterproof Bilge Pump Switch Panel

1/8" aluminum panel withstands water exposure encountered from salt spray, rain, washdown, even momentary immersion. Installed switch is 3-position momentary. ON-OFF-AUTO with LED ON indicating light. Accepts AGC fuses up to 20 Amp. Complete with waterproof mounting gasket and set of 30 common DC labels (not backlightable). 2-1/4"W x 3-3/4"H

Model 8263, 12 VDC

66332220



Sensor VSD Water System Pumps

Shutoff pressure is 35–40 psi. Plug-in fittings for 1/2" QEST (garden hose) and 1/2" hose barb. Pressure regulated variable speed drive delivers performance and reliability. Maintains steady water flow without an accumulator tank or troublesome pressure switch. Low amp draw conserves energy. Silent running under normal use. Suitable for hot water up to 70°C. Automatically adjusts to 12 or 24 VDC electrical systems

0–220 gph, 6 Amp max.

66213600

0–270 gph, 9 Amp max.

66213620



Cyclone Circulation Pumps

12V, 10 Amps

Model 50830-0012

66211470

24V, 5 Amps

Model 50830-0024

66211480

Maximum flow 1560 gph. 6"L x 6-1/2"W x 5"H, weight 4 lbs. Low pressure, high efficiency, robust stainless steel body and anti-clogging design impeller. Typical applications include hot and cold water systems, livewell systems and liquid transfer. Includes fittings for 1/4" NPT ports



Quad II Water System Pumps

Capacity 200 gph. Shutoff pressure is 35 psi. Terrific value in a water pressure system pump. Delivers smooth steady flow without the need for an accumulator tank. A unique internal bypass eliminates pulsating water flow and pressure switch chatter. Capacity accommodates up to 5 fixtures. Can run dry without harming the pump. High quality motor contains sealed drive bearing, O-ring sealed ends and sealed and tinned wires for moisture and corrosion protection. Includes plug-in fittings for 1/2" QEST (garden hose) and 1/2" hose barb

12V, 3.9 Amps

42070071

24V, 3.0 Amps

66213660

32V, 1.3 Amps

42070080

Replacement pressure switch

Model 02090-143

66213690



Flexible Impeller Pumps

Pedestal mount corrosion resistant bronze pumps ideal for a wide variety of bilge pumping, washdown, engine cooling, circulation, etc.

Bronze housings, stainless steel shafts, flexible neoprene impellers

Self priming; operates in either direction over a wide speed range

Other models available from 222 gph to 4,980 gph

Ask your dealer or contact us at info@impmarine.com for price and delivery on models not shown

1/2" Pump

Permanently lubricated ball bearings

Lip type seal

678 gph; operating speed 3,600 rpm max.

1/2" IPT port size; 5/8" Dia. shaft

Model 1673-1001

42070070

3/4" Pump

Economical plain bearing model

Packing type seals with grease cup lubrication

1,500 gph; operating speed 2,100 rpm max.

3/4" IPT port size; 5/8" Dia. shaft

Model 4590-0003

66210050

1" Pump

Permanently lubricated ball bearings

Lip type seal

1,560 gph; operating speed 3,000 rpm max.

1" IPT port size; 5/8" Dia. shaft

Model 777-9001

66210150

1-1/4" Pump

Permanently lubricated ball bearings

Lip type seal

3,720 gph; operating speed 2,200 rpm max.

1-1/4" IPT port size; 1" Dia. shaft

Model 6400-0004

66210200

Replacement Parts

	1/2" Pump		3/4" Pump		1" Pump		1-1/4" Pump	
	Model	Item Number	Model	Item Number	Model	Item Number	Model	Item Number
Impeller	1210-0001	66210600	4598-0001	66210550	17937-0001	66210430	17935-0001	66212260
End cover gasket	01835-0000	66210660	706-0010	66210640	890-0000	66210680	816-0000	66210630
Cam*	490-0001	66210710	17612-0001	66210720	934-0000	66210720	834-0001	66210730
Bearing	18753-0130	66210740	-	-	92600-0060	66210760	92600-0040	66210810
Seal	92700-0060	66210860	3791-0000	66210820	96080-0080	66210880	51114-0104	66210930
Screw kit*	18753-0134	66210910	-	-	-	-	-	-
Cam screw	-	-	91004-0010	66210900	91004-0090	66210920	91005-0040	66210940
End cover screw	-	-	91003-0010	66210960	91003-0010	66210960	91005-0040	66210940

*1/2" Screw kit includes: 6 end cover screws and cam screw 18753-0134

Jabsco Impellers – Neoprene



Don't compromise on safety — pick up a spare impeller before you need it. Wide range fits all popular engine cooling pumps

Blades	Drive	Dia. (")	Width (")	Shaft Dia. (")	Model No.	Item Number
6	P	1-9/16	3/4	3/8	4528-0001	66210450
6	SF	2	7/8	5/16	6303-0003	66213000
8	K	2-9/16	2	5/8	4598-0001	66210550
10	S	2-9/16	2	5/8	17937-0001	66210430
12	K	2-1/4	1-1/4	5/8	4568-0001	66210500
12	S	2-1/4	1-1/4	5/8	1210-0001	66210600
12	K	2-9/16	1-5/8	5/8	18948-0001	66210440
12	K	3-1/4	2-57/64	25/32	18958-0001	66210420
12	S	3-3/4	2-1/2	1	17935-0001	66212260
12	S	3-3/4	3-1/2	1	17936-0001	66211850

Impellers



Jabsco Impeller Pullers

21-048A for Impellers up to 2 1/2" dia.

21-049A for Impellers 2 1/2" to 4 1/2" dia.



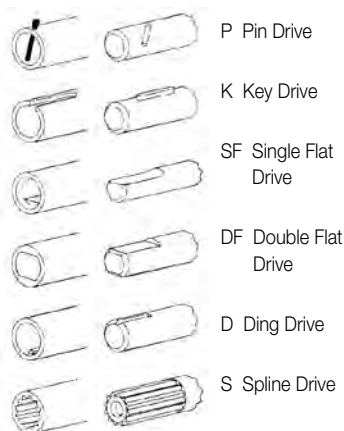
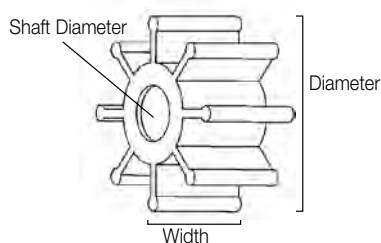
Globe Impellers – Elastomer

Used by the U.S. Navy and Coast Guard

For pumping water, gasoline, and engine oil; replacement impellers for most popular pumps

Self lubricating elastomer compounds for performance, durability, resistance to sand and abrasion, and run dry protection – guaranteed to run dry for 15 minutes

Guide to Impellers Tables Info



Jabsco Impellers – Neoprene

Blades	Drive	Dia. (")	Width (")	Shaft Dia. (")	Model No.	Item Number
6	P	1-9/16	3/4	15/32	22405-0001	66210380
8	S	2-9/16	2	5/8	920-0001	66210350
8	SF	1-1/4	15/32	5/16	14750-0003	66210360
8	S	2-9/16	3	5/8	17018-0001	66210370
12	S	2-1/4	1-29/32	5/8	13554-0001	66210390

Globe Impellers – Elastomer

Blades	Drive	Dia. (")	Width (")	Shaft Dia. (")	Model No.	Item Number
6	SF	1-1/4	15/32	5/16	321	66213200
6	P	1-9/16	3/4	3/8	421	66213240
6	P	1-9/16	3/4	1/2	1112	66213440
6	SF	2	7/8	5/16	025	66213010
6	K	2	7/8	1/2	418	66213220
6	S	2	7/8	1/2	032SS	66213020
6	SF	2	7/8	1/2	815	66213340
8	S	2-9/16	1-7/16	5/8	090	66213060
8	K	2-9/16	2	5/8	1115	66213480
8	S	2-9/16	2	5/8	100	66213080
9	S	3-3/4	2-1/2	1	125	66213140
9	S	3-3/4	3-1/2	1	200	66213160
10	S	2-9/16	2	5/8	110	66213120
12	K	2-1/4	25/32	1/2	1130	66213500
12	S	2-1/4	1 1/4	5/8	075	66213040
12	K	2-1/4	1 1/4	5/8	1101	66213420
12	S	2-1/4	2	5/8	100V	66213100
12	K	2-7/16	1-1/4	5/8	620	66213280
12	K	2-9/16	1-5/8	5/8	625	66213300
12	K	3-1/4	2-7/8	20 mm	630	66213320
12	S	3-3/4	2-1/2	1	1113	66213460
12	S	3-3/4	3-1/2	1	1213	66213520



Globe Impellers – Diesel Rated

Blades	Drive	Dia. (")	Width (")	Shaft Dia. (")	Model No.	Item Number
6	SF	2	7/8	5/16	025R	66213530
8	S	2-9/16	2	5/8	100R	66213540
10	S	2 9/16	2	5/8	110R	66213550

Pumps

Electric Clutch Pumps

Bronze pump body with connection for vacuum switch. Neoprene impeller. Stainless steel shaft and mechanical seal shaft seal. Full or reduced cam. Cast iron pedestal with permanently lubricated double ball bearings. Electromagnetic clutch. 178 mm diameter pulley



1" and 1-1/2"
Electric Clutch Pump



2" Pump –
Clutch Sold
Separately



1" Electric Clutch Pump

1" NPT ports

7" Dia. double groove pulley for A-section belts

1,554 gph @ 10 ft. head and 1,750 rpm

12V, Model 10-24577-98 **66220450**

1 1/2" Electric Clutch Pump

1 1/2" NPT ports

7" Dia. single groove pulley for B-section belts

3,822 gph @ 10 ft. head and 1,750 rpm

2" Electric Clutch Pump without Clutch

12V, Model 10-13022-96 **66220990**

2" Pump without Clutch

2" NPT ports

Model 10-13027-98 **66221590**

Clutch for 2" Pump – Single B Groove Pulley

12V **66221780**

24V **66221790**

Replacement Parts

	1" Pump		1-1/2" Pump		2" Pump	
	Model	Item Number	Model	Item Number	Model	Item Number
Clutch, 12V	0.3454.001	66222870	0.3454.003	66223060	2" clutches above	-
Bearing	05-08-513	66221860	05-08-513	66221860	05-08-513	66221860
Shaft	01-46745	66222850	01-35136	66223040	01-35138	66221840
Service kit*	09-46868	66220470	09-45575	66220760	09-45582	66221580
Impeller	09-1028B	66220740	09-819B	66220970	09-814B	66221730
Seal	09-02247.022	66222470	09-0.2247.003	66222990	09-20-118	66221830
Cam	01-42679	66222450	01-42680	66222880	01-43137	66221740
Cam screw	01-46794-01	66222460	01-46794-02	66222890	-	-
End cover	01-46648-3	66222700	01-42422-1	66223010	-	-
End cover O-ring	0.2172.012	66222520	01-42424	66223000	-	-
End cover screw	0.0279.301	66222710	0.0138.134	66223020	05-04-46	66221870
Wearplate	01-46798-2	66222720	01-42423	66223030	-	-

*Service kit includes: impeller, seal, end cover gasket & screws



Full Port Ball Valves – Stainless Steel Handle

1/2"	64021614
3/4"	64022357
1"	64021614
1-1/4"	64022784
1-1/2"	64022183
2"	64022391



Bronze 3-Way Diverter Valves

Stainless steel ball and stem with teflon seal.
Replaces a tee and 2 ball valves

1"	66232970
1-1/2"	66232950
2"	66232960



Seacocks

Full port; no restrictions. Bronze flanged body for secure installation. Hard chrome ball with Teflon seats and seals

3/4"	66232600
1"	35480019
1-1/4"	35480021
1-1/2"	35480022
2"	66232530
2-1/2"	66232720
3"	66232730

Valves & Thru-Hulls



Full Port Ball Valves

A good quality in-line ball valve for shut-off or throttling. Brass body. Two-way flow, positive closure, stainless steel ball

3/8"	66232640
1/2"	66232650
3/4"	66232700
1"	66232750
1-1/4"	66232800
1-1/2"	66232850
2"	66232870
2-1/2"	66232880
3"	66232980

Replacement Handles

1/2"	66232890
3/4"	66232900
1"	66232910
1-1/4"	66232920
2"	66232940
2-1/2"	66232830
3"	66232990



Skin Fittings – Brass

G3/8", DOORB3/8	66918610
G1/2", DOORB1/2	66918620
G3/4", DOORB3/4	66918630
G1", DOORB1	66918640
G1-1/4", DOORB11/4	66918650
G1-1/2", DOORB11/2	66918660
G2", DOORB2	66918670



Thru-Hull Lock Nuts – Bronze

Fits all bronze thru-hulls shown

1/2"	66231800
3/4"	66231810
1"	66231820
1-1/4"	66231830
1-1/2"	66231840
2"	66231850



Scooped Thru-Hulls For Pipe – Bronze

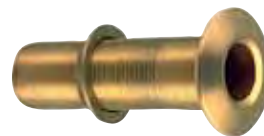
One piece integral scoop

1/2"	66231600
3/4"	66231610
1"	35650112
1-1/4"	66231630
1-1/2"	66231640
2"	35650101



Thru-Hulls For Pipe – Bronze

1/2"	35650007
3/4"	35650011
1"	35650009
1-1/4"	35650008
1-1/2"	35650020
2"	35650076
2-1/2"	35650110
3"	66232070



X-Long 5 1/2" Thru-Hulls For Pipe – Bronze

3/4"	35650085
1"	35650080
1-1/4"	66231720
1-1/2"	35650012
2"	66231740



Thru-Hulls For Pipe – Plastic

3/4"	66233100
1"	66233110
1-1/2"	66233120



Thru-Hulls For Hose – Plastic

5/8"	35650109
3/4"	35650028
1-1/8"	66233020
1-1/2"	35650058



X-Long Thru-Hull For Hose – Plastic

2-5/8" grip length

1-1/2" x 5"L	66233150
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Clamps



GBS Heavy Duty Hose Clamps – Stainless Steel

• Rolled edges and flexible stainless steel band provide maximum clamping force; all stainless steel including nut and bolt

• Perfect for heavy hoses with helical reinforcements

3/4" Wide Band

No.	Size (")	Item Number
45	1-11/16 to 1-27/32	66237100
49	1-27/32 to 2-1/32	66237110
53	2-1/32 to 2-5/32	66237120
57	2-5/32 to 2-5/16	66237130
61	2-5/16 to 2-15/32	66237140
66	2-15/32 to 2-11/16	66237150

1" Wide Band

No.	Size (")	Item Number
71	2-11/16 to 2-7/8	66237160
76	2-7/8 to 3-1/8	66237170
88	3 11/32 to 3-17/32	66237190
94	3-17/32 to 3-13/16	66237200
101	3-13/16 to 4-3/32	66237210
117	4-13/32 to 4-3/4	66237230
126	4-3/4 to 5-1/8	66237240

1-1/4" Wide Band

No.	Size (")	Item Number
135	5-1/8 to 5-1/2	66237010
144	5-1/2 to 5-29/32	66237020
162	6-3/8 to 6 27/32	66237030

Size shown fits hose OD



Heavy Duty T-Bolt Hose Clamps

- 3/4" wide stainless steel band
- T-bolt and lock nut with nylon insert

Size (")	Fits (")	Item Number
2-1/2	2-9/32 to 2-19/32	66233090
2-3/4	2-17/32 to 2-27/32	66223110
3	2-25/32 to 3-3/32	54020113
3-1/4	3-1/32 to 3-11/32	16200025
3-1/2	3-9/32 to 3-19/32	16200027
4	3-25/32 to 4-3/32	16200035
4-1/2	4-17/32 to 4-27/32	66223200
4-3/4	4-9/32 to 4-19/32	66223210
5-1/2	5-5/16 to 5-5/8	66223280
5-3/4	5-17/32 to 5-27/32	66223220
6-1/2	6-5/16 to 6-5/8	66223300
6-3/4	6-17/32 to 6-27/32	66223240
8-1/2	8-5/16 to 8-5/8	66223290
8-7/8	8-27/64 to 9	66223260
9	8-25/32 to 9-3/32	16200012

Size shown fits hose OD

Hose



Heavy Duty Sanitation Hose

• Extra heavy duty, smooth white vinyl sanitation hose compounded to provide excellent resistance to odour permeation; hard PVC helix gives good flexibility and bend radius

- For critical bilge, drain, scupper and livewell
- No cuffs required
- Do not use with alcohols, anti-freeze, petrochemicals or solvents

Size (ID"xOD")	Quantity	Item Number
1 x 1-1/4	50 ft. box	66250520
1-1/2 x 1-13/16	50 ft. box	66250530
1-1/2 x 1-13/16	per foot	66241120



Hose Clamps – Stainless Steel

- All stainless steel including bolt
- Priced individually
- Standard box of 10

No.	Size (")	Item Number
4	1/4 to 5/8	66230500
6	3/8 to 7/8	54020057
8	7/16 to 1	54020086
12	9/16 to 1 1/4	54020032
16	1-1/16 to 1-1/2	54020019
20	3/4 to 1 3/4	54020044
24	1 to 2	54020022
28	1-3/4 to 2-3/8	54020045
32	1-1/2 to 2-1/2	54020023
40	2-1/16 to 3	54020036
48	2-9/16 to 3-1/2	54020037
56	3-1/16 to 4	66230660
64	3-9/16 to 4-1/2	54020048
88	4-1/16 to 6	66230680

Size shown fits hose OD



Premium Sanitation Hose

- 2-ply sanitation hose with helical reinforcement wire that provides maximum resistance to odour and excellent flexibility
- Compounded to resist anti-freeze during winterization

Size (ID"xOD")	Colour	Item Number
1 x 1-3/8	Black	66250500
1 x 1-3/8	White	66250540
1-1/2 x 2-1/16	Black	66250510
1-1/2 x 2-1/16	White	66250550

Price per foot

CLOTHING & ACCESSORIES

Head Gear



Q890 Balaclava

- 100% Polypropylene interlock knit fabric with a brushed, soft inside provides moisture transportation and insulation
- Generous neck coverage and ribbed expandable face opening



14020288



Q891 Tuque

100% Polypropylene soft knit fabric; provides moisture transportation and insulation with a cuffed edge and double layer



Navy	17020289
Black	14020356



Q889 Face Mask

- 100% Polypropylene 240g/m² interlock knit fabric
- Brushed, soft inside provides moisture transportation and insulation
- Generous neck coverage
- Antimicrobial
- Thermal
- Quick dry



14020018



F115 Hard Hat Pull Over Liner F111 Hard Hat Face Protector

- 75% Polyester / 25% Cotton 150g/m² durable outer shell
- 13mm Thermal pile lining for insulation
- For Use with F111 Face Protector
- Front vent
- Thermal



F115	14020319
F111	63110036



F6452 Cowl

- 100% Polyester 390g/m² single side Softpile™ fabric
 - Nylon rib knit around face opening
 - Contoured neck to fit under jacket
 - Thermal
 - Quick Dry
- Colour: Navy



14020202



FR889 FR Face Mask

- 48.5% Kermel® / 48.5% FR Viscose/ 3%
- Beltron
- 230g/m² Interlock knit
- Antistatic
- Thermal
- CAN-CGSB 155.20 Sections 6.1.1; 6.1.2; 6.1.3; NFPA 70E-2004; ATPV - 9.6 cal/cm; Ebt 13.0 cal/cm²; HAF 81.1%
- Standards: Flame Retardant, Anti-Static
- Colour: Royal
- Sizes: One Size



14020369

Base Layers



Q892 Crewneck

- 100% Polypropylene with a brushed, soft inside that provides moisture transportation and insulation
- Double self fabric cuffs



	Navy	Black
Size	Item Number	Item Number
Small	14130165	14130174
Medium	14130166	14130175
Large	14130167	14130176
XL	14130168	14130177
XXL	14130169	14130178

Crewneck available in tall and larger sizes through special order



Q895 Pant

- 100% Polypropylene with a brushed, soft inside that provides moisture transportation and insulation
- Elastic waist with fly front and double self fabric cuffs



	Navy	Black
Size	Item Number	Item Number
Small	19010382	19010373
Medium	19010383	19010374
Large	19010384	19010375
XL	19010385	19010376
XXL	19010386	19010377

Available in tall varieties. Also available in larger sizes through special order



Women's Crewneck QW992

- Women's specific fit
- 100% Polypropylene 240g/m² interlock knit fabric
- Brushed, soft inside provides moisture transportation and insulation
- Double self fabric cuffs
- Colours: Navy, Black



	Navy	Black
Size	Item Number	Item Number
Small	14130190	14130184
Medium	14130191	14130185
Large	14130192	14130186
XL	14130193	14130187
XXL	14130194	14130188



Women's Pant QW995

- Women's specific fit
- 100% Polypropylene 240g/m² interlock knit fabric
- Brushed, soft inside provides moisture transportation and insulation
- Elastic waist with double self fabric cuffs
- Colours: Navy, Black



	Navy	Black
Size	Item Number	Item Number
Small	19010398	19010392
Medium	19010399	19010393
Large	19010400	19010394
XL	19010401	19010395
XXL	19010402	19010396



F450 Heavyweight Boot Sock

Q222 Glove Liner

66% Polypropylene/17% Wool/17% Stretch Nylon fabric with terry loop inner finish provides moisture transportation, warmth, durability and cushioning

F450 Boot Sock **14080020**

Also available in black

Q222 Glove Liner

- 85% Polypropylene/ 15% Spandex knit fabric
- Thermal
- Quick dry
- Colours: Navy, Black

Sizes: One Size

Navy **17050220** Black **17010042**



Q896 Mockneck

- 100% Polypropylene 240g/m² interlock knit fabric
- Brushed, soft inside provides moisture transportation and insulation
- Double self fabric cuffs
- Flatlock seams
- Antimicrobial
- Thermal
- Quick Dry
- Colours: Navy, Black



Size	Item Number
M	14130215
L	14130216
XL	14130217
XXL	14130218



One Piece Suit Q700

- 100% Polypropylene 240g/m²
- Brushed, soft inside provides moisture transportation and insulation
- Maximum Moisture Transport
- Double self fabric cuffs & Button front closure
- Rear button flap
- Colour: Navy
- 3XL and Tall Sizes available via Special Order



Size	Item Number
Small	14100028
Medium	14100019
Large	14100020
XL	14100021
XXL	14100008



F4942 Hooded Jacket

- 100% Polyester 390g/m² single side Softpile™ fabric, Thermal, Quick Dry
- Draw cord adjustable hood
- Zippered chest pocket
- Two hand-warming pockets
- Lycra bound cuffs and waistband
- Colours: Navy
- *XS, 4XL & 5XL available on booking orders



Size	Item Number
Small	18020209
Medium	18020525
Large	18020526
XL	18020527
XXL	18020528



Jacket F4597

- 100% Polyester 390g/m² single side Softpile™ fabric
- Front zipper closure
- Nylon knit cuffs and waistband
- Thermal, Quick Dry
- Colours: Navy
- XS, 3XL, 4XL & 5XL available by special order



Size	Item Number
Small	18020021
Medium	18020020
Large	18020019
XL	18020022
XXL	18020147



One Piece Suit F4567

- 100% Polyester 390g/m² single side Softpile™ fabric
- Two-way front zipper
- Rear zipper flap
- Nylon knit cuffs
- Thermal
- Quick Dry
- Colours: Navy



Size	Item Number
Small	14100004
Medium	14100003
Large	14100002
XL	14100007
XXL	14100013
3XL	14100015



F4577 Army Sweater

- 100% Polyester 390g/m² single side Softpile™ fabric, Thermal, Quick dry
- Reinforced beaver nylon shoulders and elbows
- Nylon knit cuffs, waistband and neck band
- Colours: Navy
- Sizes: S-3XL *
- *XS, 3XL, 4XL & 5XL available on booking orders



Size	Item Number
Small	14130045
Medium	14130219
Large	14130220
XL	14130221
XXL	14130222



F6012 Pant

- 100% Polyester 390g/m² single side Softpile™ fabric
- Elastic waist
- Nylon knit cuffs
- Thermal, Quick Dry
- Colours: Navy
- *XS, 3XL, 4XL & 5XL available on Special Order



Size	Item Number
Small	19010095
Medium	19010054
Large	19010053
XL	19010066
XXL	18020089



Soft-Shell Jacket

- This intelligent garment with 3 front pockets is wind- & waterproof made in a stretchable material that makes it comfortable to wear
- The Teflon coating makes the jacket very resistible to dirt
- Material: Breathable 3-layer bonded micro fleece fabric
- Lining: Anti peeling fleece
- Water resistance: 8.000/mm
- Breathability: 2.000 mvp
- 3M reflective stripes
- Sizes: S-5XL
- Colours: Black
- EN471 Class 2 (as West Class 1)

Size	Item Number
Medium	18050172
Large	18050173
XL	18050174
XXL	18050175



Waterproof Working Jacket 50-96

- Taslan coated with PVC
- All seams are double stitched and PU tape sealed
- Jacket with zip and velcro fastened storm flap at front. Adjustable waist and lining. Waterproof zippers in to front pocketsv
- Sleeves include elastic cuffs and velcro adjustment flap. Inner pocket and 6 front pockets
- Hidden hood
- Sizes: S-3XL
- Colours: Navy/Black, Black

Colour	Item Number
Black	18050200
Black/Navy	18050178



Breathable Thermal Coveralls



- Two colour coverall with detachable comfort hood. Two way main zip and velcro fastening storm flap. Legs feature ankle to hip release zips (easy access) and ankle adjustment flap. Armpit zips in sleeves for ventilation if required. 2 front pockets, 2 back pockets, mobile phone pocket, inner pocket, side pocket, plus pockets for tools
- Knee-reinforcement made using Cordura® fabric
- Adjustment cord in waist and elasticated cuffs with velcro fastening
- 3M safety reflective stripes
- Material: 'Oxford' Nylon with coated PU reverse. Seams are double stitched and tape sealed. Lining: 100% polyester (insulation and drop liner)
- Sizes: S-5XL, Colours: Yellow/Navy, Orange/Navy, Gray/Black, Red/Black
- EN471 Class 3

	Gray/Black	Yellow/Navy	Red/Black	Orange/Navy
Size	Item Number	Item Number	Item Number	Item Number
M	14030622	14030623	14030631	14030618
L	14030623	14030645	14030632	14030619
XL	14030624	14030624	14030645	14030620
XXL	14030625	14030625	14030646	14030621
3XL	14030654	14030654	14030647	
4XL	14030655	14030655		
5XL	14030656	14030707		
6XL	14030657	14030706		
7XL	14030658			



F751B Polar Parka

- 3M Scotchlite reflective material and nylon knit inner storm cuffs at wrists for heating retention with detachable hood
- One-way front zipper with outer storm flap and draw cord waist with fitted elastic back



Size	Item Number
Small	18020395
Medium	18020396
Large	18020433
XL	18020432
XXL	18020277

F753B Polar Parka with CSA Striping

- 3M Scotchlite reflective material and nylon knit inner storm cuffs at wrists for heat retention with detachable hood
- One-way front zipper with outer storm flap with draw cord waist and fitted elastic back



Size	Item Number
Medium	18020409
Large	18020410
XL	18020411
XXL	18020412



F851B Polar Bib Pant

- 3M Scotchlite reflective material with PU coated oxford nylon lower legs for durability and two layers of pile across back for kidney protection
- Two-way front zipper with outer storm flap with elastic waist back and adjustable suspenders
- Zipper closure in lower legs and snap closing storm flaps on all zippers



Size	Item Number
Small	19010346
Medium	19010347
Large	19010185
XL	19010348
XXL	19010015

Larger sizes available through special orders



F386 Polar Work Suit/CSA Stripping

- 240g/m² Beaver Nylon outer shell
- 13mm Thermal pile lining
- 3M™ Scotchlite™ Reflective Material
- PU coated oxford nylon lower legs and shoulders for durability
- Heavy duty front zipper with outer storm flap
- Snap adjustments at wrists and legs
- Nylon knit inner storm cuffs at wrists for heat retention
- Heavy duty zipper closure in lower legs with storm flap
- Detachable hood included
- Multi-pockets
- Back waist elastic
- Durable water repellent finish
- Machine wash
- Thermal
- Colours: Navy, Orange
- Sizes: Reg 38-58; Tall 44T-58T

Size	Item Number
Regular	14030644
46T	14030891
48T	14030892
50T	14030893
52T	14030894



Insulated Stretch Parka INS309

- 170g/m² PU coated nylon knit waterproof outer shell
- 13mm Thermal Pile lining
- 3M™ Scotchlite™ Silver Reflective Material
- Stow-away hood
- Large pile lined front pockets with Velcro closures
- Vented back
- Front storm flap over coil zipper with rust resistant snap closure
- Nylon knit inner storm cuff for heat retention
- Snap tab adjustment at side seam hem
- Rivet reinforced stress points
- Microwelded seams on outer shell
- Colours: Navy
- Sizes: S - 3XL



Size	Item Number
S	18020177
M	18020514
L	18020515
XL	18020516
XXL	18020326



Insulated Stretch Bib Pants INS409

- 170g/m² PU coated Nylon Knit
- Adjustable suspenders
- Quick release buckles
- Inside pocket with Velcro closure in bib front
- Snap waist adjustment
- Snap adjustment at leg hem
- Microwelded seams
- Standards
- Waterproof
- Tear Resistant
- Colours: Olive Green, Navy
- Sizes: S - 3XL

Size	Item Number
S	19020144
M	19020171
L	19020172
XL	19020173
XXL	19020174
3XL	19020175



Bib and Brace Trouser—540g PVC 9-16

Features include elasticated braces with fix lock buckles. Fastening press studs at ankle for adjustment. Extra wide 'high frequency welded' seams ensure reliability under the most extreme conditions. Also available in a narrower version

• Sizes: S-8XL

• Colours: Yellow, Olive, White, Orange

Colour	Size	Item Number
Orange	Medium	19020131
Olive	Medium	19020132



Classic Jacket—540g PVC 8-20

• Jacket includes zip and press-studded storm flap Comfort hood with drawcord. Press studs are provided for adjustment of cuffs. Extra wide 'high frequency welded' seams ensure reliability under the most extreme conditions. White not a standard article. Available with all sleeve possibilities

• Material: 540g PVC coating with soft woven cotton reverse. Extremely hardwearing and waterproof, flexible and flame resistant

• Sizes: S-8XL

• Colours: White, Olive, Orange, Yellow

Colour	Size	Item Number
Orange	Medium	18030118
Olive	Medium	18030119



Souwester

Size	Item Number
Medium	14090012
Large	14090011
XL	14090014



STORMLINE

Weather the Storm

Stormline Inc. www.stormlinegear.com



Captain's Jacket 200

- The lightweight nylon backed PVC top of the line model comes with a full length heavy-duty reinforced zip with Velcro storm flap and neoprene adjustable cuffs for water protection and comfort. Drawstring hood

• Colours: Blue, Neon

Size	Item Number
Small	18020479
Medium	18020480
Large	18020481
XL	18020482
XXL	18020483
3XL	18020484
4XL	18020485



Captain's Pants 600

• Colours: Blue, Neon

Size	Item Number
Small	19020145
Medium	19020146
Large	19020147
XL	19020148
XXL	19020149
3XL	19020150
4XL	19020151



Crew Fisherman's Jacket 211

- Double layer front and arms using cotton backed PVC for the outer for extra strength and nylon backed PVC against the skin for quick drying. Full length heavy-duty reinforced zip with velcro storm flap. Drawstring storm hood. Neoprene adjustable internal cuffs for water protection and comfort. Shorter front to reduce bulk with longer back for added water protection

• Colours: Blue, Neon

Size	Item Number
Small	18020402
Medium	18020403
Large	18020404
XL	18020405
XXL	18020406
3XL	18020407
4XL	18020408



Crew Fisherman's Bib Over Trousers 654

- The original double front bib, as supplied to the market for 20 years using heavy-duty cotton backed PVC on the outer layer and nylon backed PVC against the skin for quick drying. This bib has a triple layer in the knee incorporating removable knee pads. Elasticated braces with industrial plastic clip buckles. Reinforced with tape at all stress points. Velcro tape at legs for adjustment and safety. Elastic back

• Colours: Blue, Neon

Size	Item Number
Small	19020119
Medium	19020120
Large	19020121
XL	19020122
XXL	19020123
3XL	19020124
4XL	19020125



FL Snapper Jacket J30 345H

- Sewn and double welded outer cuffs give this jacket a much longer wear; with sturdy brass snap system on the inner storm flap
- Attachable hood with draw cord that fits a baseball cap

Size	Item Number
Small	18050156
Medium	18050148
Large	18050149
XL	18050150
XXL	18050151
3XL	18050154
4XL	18050155



FL Snapper Pant P30 060

- Extra "wideweld" cuffs to prevent seam separation with a double bib design for longer wear
- Waist ties for a snug fit with easily adjustable suspenders for a comfortable roomy fit

Size	Item Number
Small	19050129
Medium	19050115
Large	19050116
XL	19050117
XXL	19050118
3XL	19050127
4XL	19050163



Sea King Jacket J34 345H

- Moss Green 14.5 oz/yd² PU-PVC/Polycotton
- Excellent tear resistance
- High abrasion resistance
- Tough waterproof seams
- Superior comfort
- High Corrosion Resistance to marine/fish oils, animal fats and blood with brass snap closure
- Inner & outer storm flaps
- Attached hood with drawstring for best fit

Size	Item Number
Small	18050005
Medium	18050004
Large	18050003
XL	18050006
XXL	18050073
3XL	18050074



Sea King Pant - P43 060

- Double bib design; suspenders with nylon slides and spreader bar
- Durable waist ties for snug fit and elastic boot strap

Size	Item Number
Small	19050003
Medium	19050002
Large	19050001
XL	19050004
XXL	19050040
3XL	19050044



Canadian Jacket - J43 325H

- Roomy raglan sleeves for added comfort with inner storm flap, snap front closure and attached hood
- Two snap adjustment on cuffs

Size	Item Number
Small	18050042
Medium	18050041
Large	18050040
XL	18050043
XXL	18050076
3XL	18050077
4XL	18050177



Canadian Pant P35 060

- Double bib design for longer wear with durable waist ties for a snug fit
- Adjustable elastic suspenders & nylon slides provide support with comfort

Size	Item Number
Small	19050015
Medium	19050014
Large	19050013
XL	19050016
XXL	19050046
3XL	19050047



Larger sizes available through special order



51103 Eriksens Jacket

- Generously cut PVC coated cotton with Micro Welded seams and inside storm flap
- Resistance to fish oil, sunlight, mildew and saltwater, with rust resistant snaps



Size	Item Number
Small	18030018
Medium	18080017
Large	18030016
XL	18030019
XXL	18030021

Larger sizes available through special orders



51104 Eriksens Double Bib Pant

- Generously cut PVC coated cotton and Micro Welded seams with side gusset for easy entry and adjustable suspenders
- Resistance to fish oil, sunlight, mildew and saltwater



Size	Item Number
Small	19020004
Medium	19020003
Large	19020002
XL	19020005
XXL	19020006

Larger sizes available through special order



AR300 Armour Jacket

- Tear resistant outer shell with denier nylon
- Generously cut inner shell with Impertech waterproof fabric and draw cord hood with Micro Welded seams
- Durable inner and outer storm flap, storm cuffs and rust resistant snaps



Size	Item Number
Small	18020341
Medium	18020235
Large	18020339
XL	18020340
Over Sized	18020236

Available in forest green/orange; larger sizes available through special order



AR400 Armour Bib Pant

- Tear resistant outer shell made with denier nylon with an inner layer of PU coated nylon knit
- Impertech waterproof fabric and Micro Welded seams
- Side gusset for easy entry, adjustable suspenders and quick release buckles



Size	Item Number
Small	19020092
Medium	19020056
Large	19020090
XL	19020091
Over Sized	19020057

Available in a forest green/orange; larger sizes available through special order



IT305 Impertech Deluxe Vented Back Jacket

- PU coated nylon knit and Micro Welded seams with two way front zipper and Velcro tab wrist closures
- Outer storm flap with Marlex snap closure with vented back and stow away hood



Size	Blue	Green
Small	18020154	18020520
Medium	18020517	18020521
Large	18020518	18020522
XL	18020519	18020523
XXL	18020517	18020524



IT405 Impertech Bib Pant

- PU coated nylon knit and Micro Welded seams with Velcro inside bib pocket
- Adjustable suspenders and quick release buckles with leg and waist snap adjustment



Size	Blue	Green
Small	19020030	19020179
Medium	19020176	19020180
Large	19020177	19020181
XL	19020178	19020182
XXL	19020008	19020183



PVC Full Length Coat P104

Fabric/Features

- 450g/m² PVC coated Cotton
- Sun and saltwater resistant
- Full length
- Two front pockets with waterproof flaps
- Attached, generously cut three panel hood for better fit
- Inside storm flap
- Concealed rust-resistant snap closure
- Microwelded seams
- Colours: Dark Green, Yellow



Size	Item Number
Small	18020262
Medium	18020305
Large	18020262
XL	18020263
XXL	18020264
3XL	18020265



TD200 Top Deck Hooded Jacket

Features:

- Waterproof and Fire Retardant
- 450g/m² double coated PVC on polyester
- Attached 2 panel helmet hood with drawcord
- Non-conductive marlex snaps on front closure
- Inside stormflap
- Microwelded seams
- CAN/CGSB 155.20 - Flame Resistant before washing

Yellow



Size	Item Number
Small	18020422
Medium	18020423
Large	18020424
XL	18020425
XXL	18020426
3XL	18020427

Orange



Size	Item Number
Small	18020268
Medium	18020269
Large	18020270
XL	18020271
XXL	18020272
3XL	18020273



R801 Stormsuit

Denier nylon with PVC coating and zipper front closing with external storm flap

Two front patch pockets with snap closures and removable draw cord hood serves as a carrying case for jacket and pants

Bib pants are equipped with adjustable suspenders, Velcro fly and snap adjustment at waist and leg hem



Size	Item Number
Small	14100027
Medium	14100048
Large	14100047
XL	14100046
XXL	18020245

Also available in orange; larger sizes available through special order



TD400 Top Deck Bib Pant

Features:

- Waterproof and Fire Retardant
- 450g/m² double coated PVC on polyester
- Adjustable suspenders
- Side gusset with snap closure
- Microwelded seams

Yellow



Size	Item Number
Small	19010196
Medium	19010197
Large	19010198
XL	19010199
XXL	19010200
3XL	19010201

Orange



Size	Item Number
Small	19010367
Medium	19010368
Large	19010369
XL	19010370
XXL	19010371
3XL	19010372

Floatation Suits

MS185 Classic Floatation Suit

- Durable, safe and mobile; delivering warmth and comfort in cold weather environments
- Closed-cell foam provides floatation and in-water insulation to delay hypothermia in the event of water immersion
- Tug-Tite at thighs for improved fit and minimized water flushing with Velcro closures at wrists and ankles and SOLAS reflective tape for visibility
- Available in Orange, Red and Navy/Orange

	Orange	Navy	Red
Size	Item Number	Item Number	Item Number
Small	14030088	14030409	14030145
Medium	14030087	14030410	14030148
Large	14030086	14030411	14030156
XL	14030089	14030412	14030157
XXL	14030164	14030413	14030158

Larger sizes available through special order



MS195 Integrity Deluxe Floatation Suit

- Designed with Mustang Airsoft foam for a lighter, more comfortable fit than the Classic Suit
- Relaxed fit for comfort and mobility with neoprene
- Comfort Cuff wrists for weather protection and Tug-Tite at thighs and ankles to eliminate water flushing to delay onset of hypothermia
- SOLAS reflective tape for improved visibility with chest and front cargo pockets for storage
- Available in Orange, Red, Camo and Navy/Orange

Size	Camo	Orange
Small	14030480	14030363
Medium	14030481	14030364
Large	14030482	14030365
XL	14030483	14030366
XXL	14030484	14030367

Larger sizes available through special order





MC1535 ThermoSystem plus Coat

- Provides flotation with enhanced hypothermia protection and features a neoprene beavertail to slow body temperature cooling by reducing cold water flushing
- Relaxed fit enhances mobility and comfort with an insulated hood that folds easily into the collar; along with SOLAS reflective tape for enhanced visibility
- Canadian Coast Guard and Transport Canada Approval



Size	Item Number
Small	18010203
Medium	18010195
Large	18010194
XL	18010197
XXL	18010211

Larger sizes available through special order; available in red and orange



MJ6280 Ice Rider V2 Jacket

- Stylish, warm and built for total mobility; Cordura and Ballistic nylon construction with 3M Scotchlite reflective piping ensure this suit will last the most demanding rides
- Fleece-lined handwarmer pockets and large chest vents with pockets
- Draw cord adjustable waist system



18011112

Larger sizes available through special order



Integrity Flotation Coat: MC1525

- Water-resistant Comfort Cuff technology provides a comfortable fit and can be tightened to prevent water from entering sleeves with a two way volume adjustable hood with single-hand tightening can be stowed in collar
- Relaxed fit for comfort and mobility with a fleece-lined collar and front cargo pockets and hand-warmer pockets
- Canada Coast Guard and Transport Canada Approval



Size	Item Number
Small	18010173
Medium	18010172
Large	18010171
XL	18010174
XXL	18010213

Available in other colours and camouflage; larger sizes available through special order



Classic Flotation Coat: MC1505

- Provides comfort, warmth and durability in whatever marine activities you do
- Closed cell foam insulation will provide flotation and insulation to delay the onset of hypothermia in the event of accidental water immersion.
- Full length storm flap with enhanced mobility and comfort with relaxed fit



Size	Item Number
Small	18010313
Medium	18010314
Large	18010315
XL	18010316
XXL	18010317

Available in a variety of colours and camouflage; larger sizes available through special order



MP4231 Ice Rider Flotation Bib Pant

- Designed to provide warmth, flotation and hypothermic protection; stylish, warm and built for total mobility with two front zipper openings
- Adjustable suspenders and snow cuffs for improved fit and comfort with seat reinforcements for increased durability



19030090

Larger sizes available through special order



MJ6225 Integrity Flotation Bomber Jacket

- Water-resistant urethane-coated zippers with hypothermia and flotation protection and a two-way volume adjustable hood can be stowed in collar
- Relaxed fit for comfort and mobility with wind and rain protection from Tug-Tite waist adjusters, high-cut collar, full length storm flap and Velcro cinch cups



Size	Item Number
Small	18010070
Medium	18010071
Large	18010073
XL	18010060
XXL	18010063

Larger sizes available through special order

Gloves

Ansell



Proflex® 12"

Flexible PVC with jersey lining provides cushioned comfort and moderate insulation with excellent wet grip

Optimum abrasion resistance with excellent chemical resistance



Blue



Brown

Blue Swatch 14-660

Brown Swatch 14-620

Size	Item Number	Size	Item Number
8	17050426	8	17050425
9	17050441	9	17050438
10	17050442	10	17050439
11	17050443	11	17050440

Ansell



Polaris® Winter Series Fully Coated

Excellent insulation against cold temperatures with PVC coating that remains soft. Curved fingers, wing thumb and soft polyester provide comfort; textured surface provides excellent grip. Fully coated

30-490

17050045

Ansell



Polaris® Winter Series Fully Coated Knit Wrist

Excellent insulation against cold temperatures with PVC coating that remains soft. Curved fingers, wing thumb and soft polyester provide comfort; textured surface provides excellent grip. Fully coated, Knit Wrist

30-491

17050046

Ansell



Snorkel® 4412

PVC coated with jersey lining for cushioning and moderate insulation

Rough finish provides outstanding chemical resistance, wear and flexibility

Regular 12"	17050024
Long 18"	17050026



Mo Moi Medium Weight

These durable double-dipped medium-weight PVC gloves are strong, yet extremely soft and flexible. They feature a soft comfortable seamless cotton lining. The rough textured coating ensures grip and increases the gloves'

abrasion resistance and durability. The gloves are also liquid-proof and chemical resistant. Launder at 40C (104F) using a neutral detergent.

Gloves are available as:

Style 610 - 10"		Style 620 - 12"	
Size	Item Number	Size	Item Number
Small	17020051	Small	17020048
Medium	17020052	Medium	17020049
Large	17020053	Large	17020050
XL	17020035	XL	17020034



Moi Moi Heavy Weight

These durable Triple-Dipped Heavyweight PVC gloves are strong, yet extremely soft and flexible. They feature a soft comfortable cotton lining. The rough textured coating ensures grip and increases the gloves' abrasion resistance and durability. The

gloves are also oil resistant and chemical resistant. Launder at 40C (100F) using a neutral detergent

Gloves are available as:

Style 660 - 12"	
Size	Item Number
Small	17020056
Medium	17020055
Large	17020056
XL	17020057
XXL	17020067

Ansell



Polar Grip® Winter Series

Excellent insulation against cold temperatures with PVC coating that remains soft. Rough surface provides excellent grip for handling both wet & dry materials with curved fingers and wing thumb for comfort

17050071

Ansell



Sol-Vex® Nitrile, Unsupported

Outstanding combination of strength and chemical resistance with protection against snags, punctures, abrasions & cuts

Size	Item Number
8	63080046
9	63080048
10	63080047
11	63080168

Ansell



Petroflex® PVC Coated

Jersey lining for cushioning and moderate insulation & rough finish optimizes cut & abrasion resistance. Excellent grip

Size	Item Number
12-212	17050017
12-214	17050224

Ansell



Powerflex® T° Hi Viz Yellow™

Natural rubber and acrylic thermal liner give excellent insulation for a cold environment. Strong combination of abrasion, liquid repellence and dry grip with superior flexibility and dexterity

Size	Item Number
7	17050446
8	17050467
9	17050444
10	17050445

Ansell



Powerflex® 80100

Natural rubber latex with soft seamless poly/cotton knit liner makes this glove superior for wet/dry grip. Combination of cut, abrasion and puncture resistance with fully coated thumb. Ergonomically designed for unbelievable comfort

Size	Item Number
8	17050449
9	17050309
10	17050320



Atlas

The 310 is a very popular garden glove. Perspiration free back, good grip, lightweight and comfortable fit

Style 310	
Size	Item Number
Medium	17020043
Large	17020044
XL	17020004

Ansell



Winter Monkey Grip®

Winter Series, PVC Coated, Foam Insulated. Tough PVC coating stays soft when cold. Keeps hands warm and dry. Protects from abrasion. Curved fingers, wing thumb, and soft jersey lining make them very comfortable. Applications for cold storage, winter transportation, yard and field work, unheated warehouses and construction

Size	Item Number
M23-191	17050023
M23-193 SC	17050112

Ansell



Natural Rubber Latex

Thickness 50% greater than most flock-lined gloves with cotton flock lining for increased comfort. Excellent puncture & cut resistance with good tensile strength

17050228

Ansell



Hy-Care® Natural Rubber Latex, Cotton-Lined

Cotton lined for superior comfort with excellent grip for wet applications. Stays flexible in cold temperatures with excellent dexterity

Size	Item Number
Medium	17050340
Large	17050136
XL	17050142
XXL	17050233



JOMAC

Jomac Work King

Unique extra heavyweight cotton flannel with high quality fabric for repeated laundering with minimal colour loss. Excellent comfort and warmth; Snug green and white knit wrist maintains stretch even after numerous washings

Colour	Item Number
Green	17030015
White	17030016
Blue	17030002



JOMAC

Jomac FM512 Flexi-Mac

Double dipped textured finish for extra grip with cotton jersey liner to keep hands dry and warm and treated to minimize odours. Exceptional flexibility and ergonomically designed for a snug, comfortable fit

17050462



SUPERIOR

Torpedo™ Green PVC Glove

High grade PVC, coated over a two piece, sanitized fleeced jersey liner enhances wearer comfort. A rough finish palm for better non-slip. Wet grip. Double dipped for superior abrasion and chemical resistance. Agriculture Canada. (CFIA) Approved for Food Handling

17030023

Disposable Gloves



N-Dex

Gloves are available as:

Style 7005	
Size	Item Number
Small	63080244
Medium	63080040
Large	63080043
XL	63080050



N-Dex Plus

Gloves are available as:

Style 8005	
Size	Item Number
Sml/Med	64028777
Large	64023312
XL	64023432



TNT® Blue Disposable Work Gloves

Nitrile, Textured Fingertips. Provides three times the puncture resistance of competitive latex or vinyl gloves. Textured fingertips for exceptional grip. Durable yet soft for improved comfort. For automotive, manufacturing, maintenance and cleanup, intricate parts handling, laboratory analysis/technical work. Powder-free, 5mm, rolled cuff, blue. 100 gloves/dispenser box

Size	Item Number
Small	17050449
Medium	17050362
Large	17050363
XL	17050364



Touch N Tuff Thin

Size	Item Number
Small	17050011
Medium	17050012
Large	17050016
XL	17050032



Conform XT

Size	Item Number
Small	63080005
Medium	63080006
Large	63080007



Polyethylene Aprons

Disposable, light to medium duty. Virgin material combines flexibility and resistance to chemicals, fats and oils. Easy to clean. For food handling and preparation and maintenance. 1.75mm, embossed, white

14010039

Industrial Hand Protection

Split Leather Glove

General purpose Split leather glove with lined palm.
Safety cuff with leather knuckle strap, elastic band, flannel lined and finger tips. Leather is soft and supple ensuring comfort and dexterity
Ideal glove for outdoor jobs

63080080



Economy Welders mitt

Split leather with one finger , wing thumb
Full lined

63080002

Economy Welders gloves

Split leather with wing thumb
Full lined

63080001



Glove Liners

Reversible knitted glove liners with elasticized wristband
50% polyester, 50% acrylic

17060021



Rubber Gloves

Rubber coated, seamless knitted lined gloves
Elasticized wrist
Resistance to most acids

Size	Item Number
Large	63080064
X-Large	63080065

Sleeves



Armlets, 17-11

Material: 300g PVC coating with soft knitted polyester reverse. Armlet feature elasticated hems and comfort fit. One size approximately 45cm long

Colour	Item Number
White	14070039
Olive	14070040

Armlets, 9-11

Material: 540g smooth PVC coating with woven cotton reverse. One size approximately 40cm long

Colour	Item Number
White	14070041
Olive	14070042



Showa Atlas Nitrile 772 Long Sleeve

65 cm (26 in) long glove, made from dipped nitrile over a cotton liner. Showa 772 gloves protect the hand and arm, as well as providing comfort and touch sensitivity. The durable Nitrile coating offers excellent protection against a wide range of chemical substances. The Nitrile-coated sleeve provides splash protection from a wide range of chemicals. The rough textured finish ensures excellent grip. An elastic band and grommet holds the sleeve up on the arm. Launder at 40C (104F) using a neutral detergent.

17050429



IMP Group Ltd Sleeves

Low cost protection against chemicals, snags, punctures and abrasions, these sleeves are completely heat-sealed with no exposed elastic

14070026



Premium Yellow Sleeves SL20 200

22" long sleeves made from tough and durable polyurethane coated nylon with comfortable neoprene cuffs to keep water out
Adjustable elastic & Velcro closure at the top

14070033



IMP Group Ltd Apron

Low cost protection against chemicals, snags, punctures and abrasions, these aprons are heat sealed.

14070030

Industrial Boots & Waders



Summit

- Industrial Work Series
- Sizes 7 - 13, full sizes only
- Colours: Black

Features: Acid and Oil resistant Oarprene base, durable outsole design, guardian leather upper, 6 inch work boot design, hydro-work moisture wicking inner boot system, acid and oil resistant lace and stitching, GelFlex fatigue resistant midsole, available in safety toe and plate (ST&P) CSA/ASTM approved. ESR/EH rated

Special Order Only



Oil Rig

- Bush Pac Series
- Womens. Sizes: 5-11, full sizes only
- Colours: Black

Temp rating: -60°C / -76°F

Features: Acid and Oil resistant Oarprene base, acid and Oil resistant Neoprene upper, ladies fit. Acid and Oil resistant laces and stitching, comfort rated inner boot system, available in steel toe and plate (ST&P).

CSA/ASTM approved. ESR/EH rated

Special Order Only



Predator

- Industrial Work Series
- Sizes 7 - 13, full sizes only
- Colours: Black

Features: Acid and Oil resistant Oarprene base, durable outsole design, guardian leather upper, hydro-work moisture wicking inner boot system, acid and oil resistant lace and stitching

• Available in safety toe and plate (ST&P)

• CSA/ASTM approved

• ESR/EH rated

Special Order Only



Yukon

- Bush Pac Series
- Sizes: 6-13, full sizes only
- Colours: Black/Brown.
- Temp rating: -30°C / -22°F
- TR base
- Leather upper
- Rust resistant eyelets
- Available in steel toe and plate
- CSA/ASTM approved
- ESR/EH rated

Special Order Only



Brook Hip Wader 4180-15

- Neoprene lining with a snug fit make this hip wader comfortable and waterproof
- Abrasion resistant natural rubber outsole with adjustable thigh strap and net lined leg

Size	Item Number
6	15020134
7	15020466
8	15020467
9	15020468
10	15020469
11	15020470
12	15020471
13	15020472



Ocean ChestWaders

Size	Item Number
6	15020134
7	15020466
8	15020467
9	15020468
10	15020469
11	15020470
12	15020471
13	15020472



Insulated Hard Toe



Green/Brown
PB661



Orange/Blue
PB661



White/Blue
Special Order

PB661 343 Thermo+ CSA Full Safety

14" polyurethane boot with outstanding thermal properties and impact and shock resistance

Provides the ultimate in comfort

Available in Green with Brown sole, Orange with Blue sole,

Special Order Only: White with Blue sole

Colour	Size	Item Number
Green/Brown	6	15010236
Green/Brown	7	15010237
Green/Brown	8	15010176
Green/Brown	9	15010177
Green/Brown	10	15010178
Green/Brown	11/12	15010179
Orange/Blue	7	15010256
Orange/Blue	8	15010257
Orange/Blue	9	15010258
Orange/Blue	10	15010259
Orange/Blue	11	15010260
Orange/Blue	13	15010261
Orange/Blue	14	15010262



Ice Bear Polyurethane

- Light weight abrasion resistant Polyurethane (PU) molded boot
- Wide fit through the calf and foot
- Thermal PU compound is cold crack resistant to -50°C
- Metal free safety toe and plate
- Comfort crafted insole
- CSA / ASTM / CE approved
- ESR / EH rated

Size	Item Number	Size	Item Number
7	15020496	11	15020500
8	15020497	12	15020501
9	15020498	13	15020502
10	15020499	14	15020503



Boot Bands

- Extra Thick Elastic Bands
- Used to keep pants contained in boots
- 1 lb per bag

15010054

Insulated Soft Toe



Driller II Industrial Extreme Series 9857 0937

- With an acid and oil resistant Oarprene base, this boot is aggressive and long wearing with a self cleaning outsole
- Leather reinforced rust resistant D-ring lacing system with a GelFlex fatigue resistant midsole and a waffle foorbbed insole

Available in sizes 5-15

Available in Black only

Size	Item Number
7	15030304
8	15030305
9	15030306
10	15030307
11	15030308
12	15030309
13	15030313



Impact Men's Polar Series 4000 0048

- Another well proven design with a tassel lock snow collar and a premium polar rubber outsole
- Integrated polyurethane base with an 8-layer inner boot system; a waffle sole and reflective insole with Timberwolf leather upper

15030301

Available in sizes 7-15; Available in black and real tree



Impact Women's Extreme Winter Series 4010 0048

- Suitable for temperatures as low as -100C with reflective piping for night visibility
- Versatile and suitable for outdoor winter sports as well as handling deep snow and slush
- Premium polar rubber outsole with integrated polyurethane and 7-layer inner boot system with Thermaplush; Timberwolf leather upper

15030347

Available in sizes 6-11; Available in black



Prairie Boots 3670-15

- Unisex boots with a cleat outsole and removable lining with triple density insulation
- Waterproof with natural rubber sole with large calf space

Size	Item Number
5/6	15020064
7	15020065
8	15020066
9	15020068
10	15020061
11	15020062
12	15020063



Explorer 3940-15

- Unisex boots with a stalker outsole and a removable triple density insulation liner
- Waterproof natural rubber upper & shell with rubber outsole

Size	Item Number
8	15020236
9	15020237
10	15020238
11	15020239
12	15020240

Non-Insulated Hard Toe



Purofort PU Steel Toe Boots PB762

- 100% polyamide lining for high breathability and abrasion resistance. Antibacterial fibers act against bad odour. Moisture is easily released.

Static dissipative footwear resisting to electrostatic charges of 106 - 108 ohms for a period of 5 seconds

- Wide
- Low density PU, light and flexible

Size	Item Number	Size	Item Number
6	15010298	11	15010301
7	15010299	12	15010302
8	15010300	13	15010303
9	15010288	16	15010323
10	15010289		



Purofort Hard Toe PB462 843

- 14" polyurethane boot with outstanding thermal properties
- Available in men's sizes 4-14
- Green with Beige sole

Size	Item Number	Size	Item Number
4	15010164	10	15010170
5	15010165	11	15010171
6	15010166	12	15010172
7	15010167	13	15010173
8	15010168	14	15010174
9	15010169		



Men's Professional Boot - Style # PB361 141

- 14" white polyurethane upper with blue sole and steel toecap
- Available in Men's sizes 7-15
- White with Blue sole

Special Order Only



Ladies' Professional Boot - Style # PB561 141

- 10" white polyurethane upper with blue sole with steel toecap
- Available in Ladies' sizes 6 to 9
- White with Blue sole

Special Order Only

Non-Insulated Soft Toe



Purofort+ Soft Toe Boot PB760 941

- CSA Grade 1 steel toe and midsole
- Red torsion insert offers increased stability and enhanced grip
- Oil resistant outsole
- Anti-static, cold insulating, energy absorbing
- flexibility even at low temperatures
- outstanding thermal properties
- chemical resistance

Size	Item Number	Size	Item Number
3	15010264	10	15010271
4	15010265	11	15010272
5	15010266	12	15010273
6	15010267	13	15010274
7	15010268	14	15010275
8	15010269	15	15010276
9	15010270		



Purofort Soft Toe PB460 843

- 14" polyurethane boot with outstanding thermal properties
- Green with Beige sole
- Flexibility even at low temperatures
- Outstanding thermal properties
- Chemical resistance

Size	Item Number
3	15010184
4	15010185
5	15010182
6	15010143
7	15010146
8	15010156
9	15010157
10	15010158
11	15010159
12	15010160
13	15010161
14	15010162
15	15010163
PB460 843T	15010028

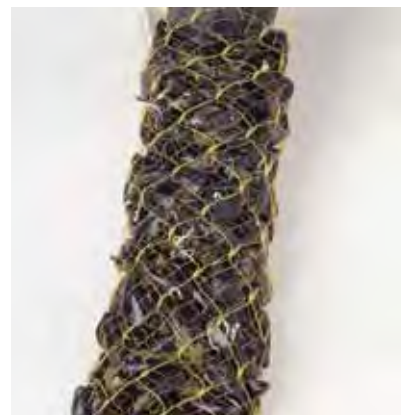


Available with 3" top of Camo water resistant nylon with black tieup lace

Camo Tie Top PB460 843

FISHING GEAR

Aquaculture



Marine Model Mussel Sock

This is a plastic, extruded, tubular net used in off shore mussel farming. The top quality material makes this product resistant to temperatures lower than -20°C. The particular kind of meshes, with different dimensions and thicknesses, allows this category of nets to resist to strong stress caused by possible sea- storms without any collapse

This particular kind of mesh has been tested successfully in making strings for mussel farming with a capacity of product superior to 80 Kg. Another advantage of this system of farming is a low loss rate of the product in the sea. Other articles can be made on request

Dark Green

03370001

Black

03370224

Lagoon Model Mussel Sock

This is a plastic, extruded, tubular net used in mussel farming in the lagoon. The top quality material makes this product resistant to temperatures lower than -20°C. The particular weave of the mesh guarantees a high resistance to tractions and accidental torsions. This particular kind of net has been tested successfully in making strings for mussel farming with a capacity of product over 40 Kg

Another advantage of this system of farming is a low loss rate of the product in the sea. Other articles can be made on request

Orange

03370235

Dualnet Model Mussel Sock

Rom Plastica has created this new kind of net in order to optimize the process of mussel farming

The technical peculiarity of this net makes it possible to:

- Eliminate several phases of mussel farming process with a considerable time-saving
- Avoid product loss, since with this kind of net even the loose mussels which used to be discarded can now be reused
- Obtain a more homogeneous product

The net is tubular, made of extruded polypropylene with a mesh that has a double structure

The external mesh is diamond shaped and is made of a thick thread, which makes the net very resistant even off-shore

The internal mesh is in the shape of small diamonds made of a thinner thread, and it makes it possible to:

- Avoid an immediate discharge of mussels
- Be torn by the mussels it contains during their growth

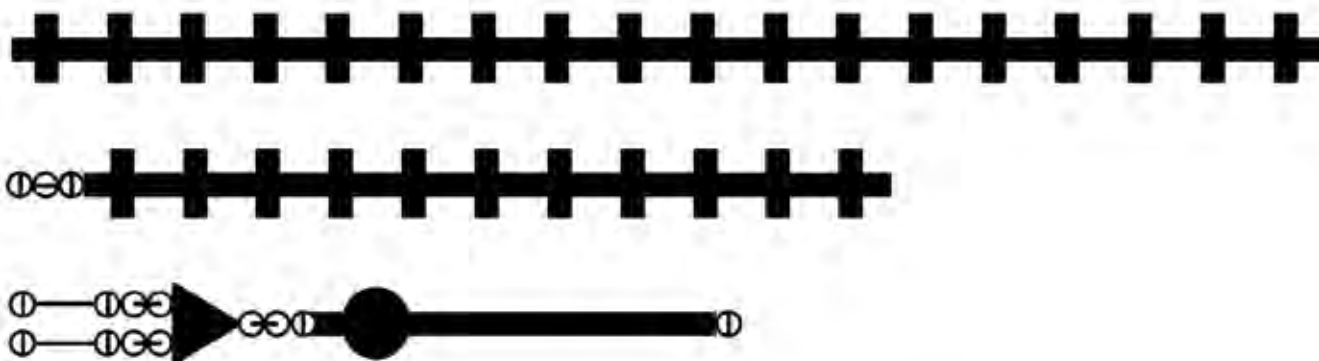
Black

03370170

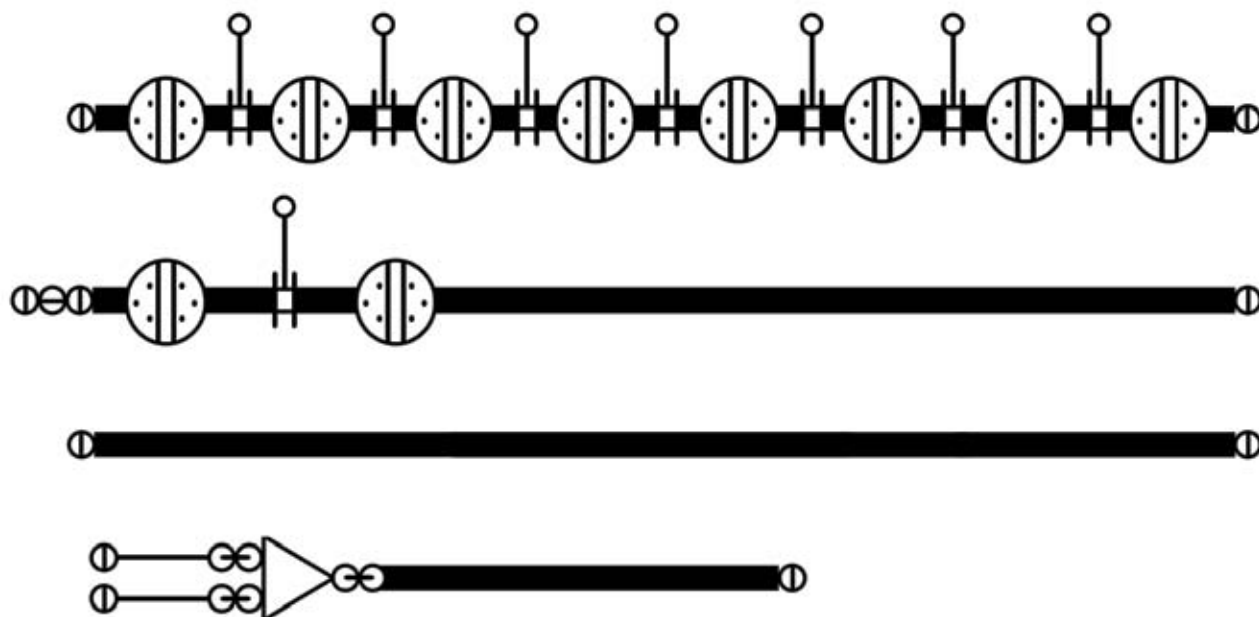
Other

03370217

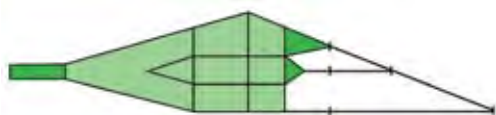
Trawls



Foot Rope, Rockhopper Style



Foot Rope, Bobbin Style



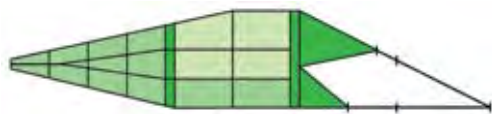
Hi-Lift Safari Trawls — 3 Bridle

Circ.	Headline	Foot Rope
4 / 290	64'	82'
5 / 328	72'	94' 6"
6 / 350	76'	98'
6.5 / 360	78' 6"	102'
7 / 374	77' 6"	100' 6"
8 / 390	80' 6"	105' 6"
8 / 390	82' 3"	109' 3"
9 / 440	106'	130' 6"
9 / 440	114' 6"	138' 6"
10 / 492	117'	142' 6"



IMP Balloon Hake Trawls — 2 Bridle

Circ.	Headline	Foot Rope
355 / 888	94'	113'
360 / 900	107' 6"	124' 6"
410 / 1025	114'	129' 6"
457 / 1142	116'	133'
508 / 1270	130' 6"	150' 6"



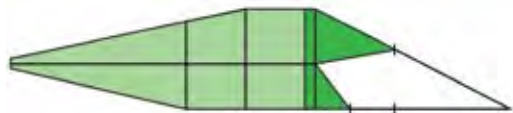
Hi-Lift Shrimp Trawls — 2 Bridle

Circ.	Headline	Foot Rope
1100	108' 6"	128'
1200	110'	130'
1250	125'	148' 6"
1300	117' 9"	132' 6"
1350	125'	148' 6"
1410	125'	148' 6"
1455	131' 3"	156' 6"
1515	131' 3"	156' 6"



Hi-Lift Shrimp Trawls — 3 Bridle

Circ.	Headline	Foot Rope
940	89'	115'
1040	89'	115'
1100	92' 6"	117' 6"
1170	94' 6"	119'
1250	98' 6"	123'
1270	100'	124'
1340	104' 6"	128'



Balloon Shrimp Trawls — Low Profile

Circ.	Headline	Foot Rope
525	62' 8"	74'
746	78'	92' 6"
840	86'	101' 6"
300 / 900	110'	130'
326 / 975	117' 6"	137' 9"
350 / 1050	125'	148' 6"
400 / 1200	138'	167' 6"
452 / 1339	152'	180' 6"



Balloon Trawls — 2 Bridle

Circ.	Headline	Foot Rope
175	62' 6"	74'
220	78'	93'
240	86'	101' 6"
260	92'	109' 6"
280	98'	117'
300	110'	130'
350	125'	148' 6"
400	138'	167' 6"
450	152'	180' 6"



Hi-Lift Balloon Trawls — 2 Bridle

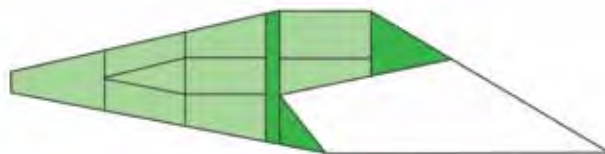
Circ.	Headline	Foot Rope
324	92'	109' 6"
360	98'	117'
400	110'	130'
470	125'	148' 6"



Hi-Lift Shrimp Trawls — 2 Bridle

Circ.	Headline	Foot Rope
340	89' 6"	106'
355	94'	113'
360	107' 6"	124' 6"
410	114'	129' 6"
508	130' 6"	150' 6"

Silver Hake Grid



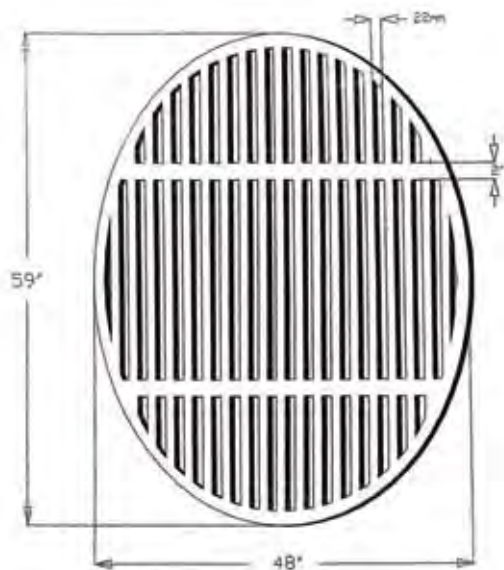
Hi-Lift Wide Body Shrimp Trawls

Circ.	Headline	Foot Rope
1200	118' 6"	139' 6"
1300	124' 6"	146'
1350	127'	148' 6"
1400	128' 6"	149' 6"
1500	134'	155' 6"
1600	138' 6"	158' 6"
1700	143'	105'
1800	150' 6"	171' 6"

Note: All trawls are built to vessel requirements

Hi-Lift Wide Body Safari Balloon Trawls — 2 Bridle

Circ.	Headline	Foot Rope
376	94' 6"	117' 6"
420	111' 6"	138'
460	115' 6"	143' 6"



Oval Shrimp Grid



Trawl Doors



MORGÈRE

PFV Doors

Polyfoil V Rectangular

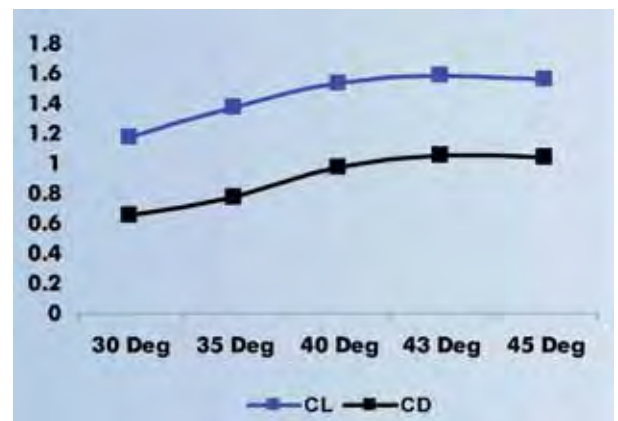
Type	L	I	Area	Weight
PFV0	1000	750	0.71	80-120
PFV00	1100	800	0.84	100-120
PFV000	1200	880	1	120-200
PFV01	1300	950	1.17	120-250
PFV01.5	1400	1020	1.36	160-280
PFV02	1500	1090	1.56	160-280
PFV03	1600	1170	1.78	220-450
PFV03.5	1700	1240	2	250-480
PFV04	1800	1310	2.25	280-500
PFV04.5	1900	1390	2.5	450-550
PFV05	2000	1460	2.77	350-650
PFV05.5	2100	1530	3.06	400-700
PFV06	2200	1610	3.36	450-750
PFV06.5	2300	1680	3.67	600-1100
PFV07	2400	1750	3.99	850-1100
PFV08	2500	1820	4.33	800-1100
PFV09	2600	1900	4.69	900-1100
PFV10	2700	1970	5.06	1000-1300
PFV11	2800	2040	5.44	1000-1500
PFV12	2900	2120	5.83	1300-1700
PFV12.5	3000	2190	6.24	1300-1700
PFV13	3100	2260	6.66	1500-2400
PFV14	3200	2340	7.1	1500-2400
PFV15	3300	2410	7.55	1600-2800
PFV15.5	3400	2480	8.02	1700-3000
PFV16	3500	2550	8.49	1900-3200
PFV16.5	3600	2630	8.99	2000-3200
PFV17	3700	2700	9.49	2700-3300
PFV17.5	3800	2770	10.01	2900-3400
PFV18	3900	2850	10.55	3000-3600
PFV18.5	4000	2.92	11.09	3200-3800
PFV19	4200	3070	12.23	4100-4600
PFV19.5	4400	3210	13.42	4500-5000
PFV20	4600	3360	14.67	4800-5200
PFV21	4800	3500	15.98	5200-6000
PFV22	5000	3650	17.34	5400-6200
PFV23	5200	3800	18.75	5600-6400

Ovale Polyfoil

Type	Dimensions (mm)	Poids/Weight in air
OF0	1100 x 750	05-090
OF00	1200 x 800	100-120
OF000	1300 x 850	100-120
OF01	1400 x 900	120-140
OF01.5	1500 x 950	150-170
OF02	1600 x 1000	160-180
OF02.5	1700 x 1100	180-320
OF03	1800 x 1150	200-340
OF03.5	1900 x 1200	200-400
OF04	2000 x 1300	250-450
OF04.5	2100 x 1350	300-450
OF05	2200 x 1400	350-550
OF05.5	2300 x 1500	400-650
OF06	2400 x 1550	500-700
OF06.5	2500 x 1600	500-800
OF07	2600 x 1650	600-900
OF07.5	2700 x 1700	700-1000
OF08	2800 x 1800	800-1100
OF08.5	2900 x 1850	900-1200
OF09	3000 x 1900	1000-1300
OF010	3100 x 2000	1100-1400
OF011	3200 x 2050	1200-1500
OF012	3300 x 2100	1300-1700
OF012.5	3400 x 2200	1300-1700
OF013	3500 x 2250	1500-2200
OF014	3600 x 2300	1500-2300
OF015	3800 x 2450	1600-2600
OF016	4000 x 2550	1800-3000
OF017	4250 x 2700	2200-2600
OF018	4500 x 2900	2500-2900
OF019	4750 x 3000	3000-4000
OF020	5000 x 3200	3500-4000



MORGÈRE



V.3

V profile, 3 foils

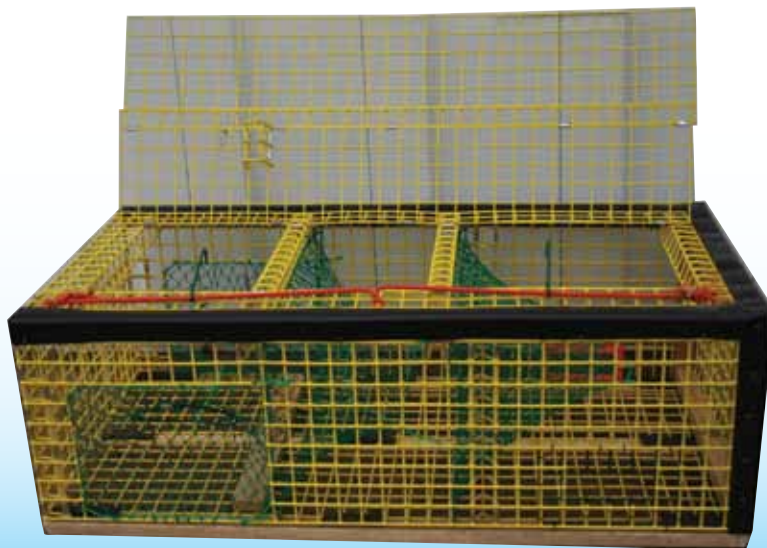
Type	Surface Area	Poids/Range of Weights
VO01	1.07	120-140
VO01.5	1.21	150-170
VO02	1.36	160-180
VO02.5	1.53	180-320
VO03	1.72	200-340
VO03.5	1.89	200-400
VO04	2.15	250-450
VO04.5	2.37	300-600
VO05	2.62	350-650
VO05.5	2.83	400-800
VO06	3.09	500-800
VO06.5	3.41	600-900
VO07	3.65	800-1300
VO07.5	3.93	900-1300
VO08	4.26	1100-1600
VO08.5	4.46	1150-1650
VO09	4.67	1200-17500
VO10	5.14	1300-1800
VO11	5.51	1300-2000
VO12	5.90	1500-2300



VO12.5	6.26	1500-2400
VO13	6.63	1500-2600
VO14	6.92	1800-2800
VO14.5	7.35	1800-3000
VO15	7.80	1900-3200
VO15.5	8.26	2200-3600
VO16	8.73	2400-3800
VO16.5	9.21	2500-4000
VO17	9.71	2800-4000
VO17.5	10.22	3000-4200
VO18	10.48	3400-4800
VO19	11.83	5000-6500

WE ARE ATLANTIC CANADA'S MOST TRUSTED TRAP BUILDER

With over 20 years in the lobster trap industry, we can build your trap to any specification



Popular models include "doubt parlour", "superdog" and "american" (shown)

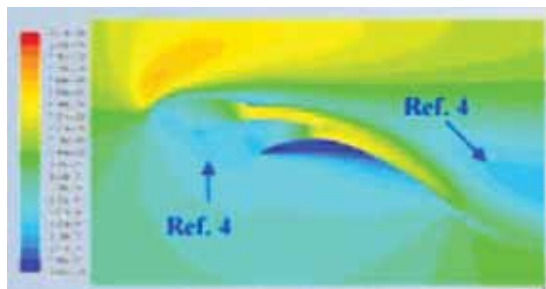
Inquiries Welcome

Trawl Door Information

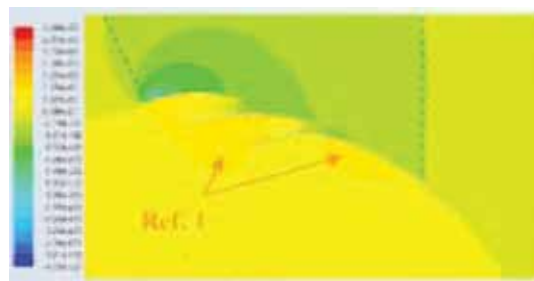
OF2: OvalFoil Design Optimization

The design of the latest shape of the OvalFoil (OF2) sprang from the hydrodynamics optimization of the OFN shape

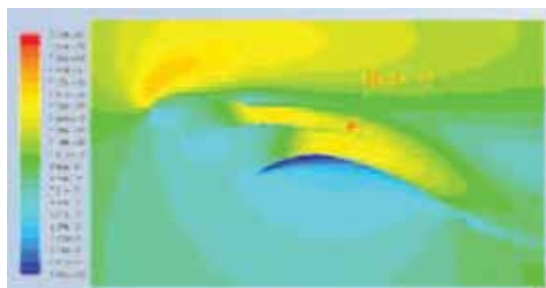
Velocity and the pressure of the water flow are described on the view herein (horizontal section plans of the foils)



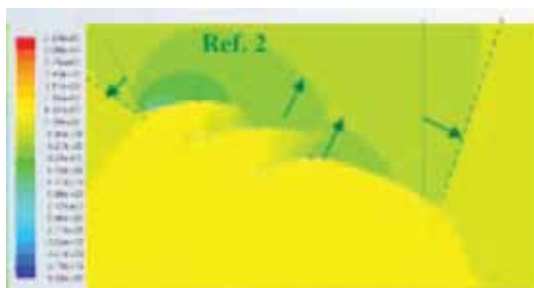
OFN—Velocity field with a speed of 2 kts



OFN—Pressure field with a speed of 2 kts



OF2—Velocity field with a speed of 2 kts



OF2—Pressure field with a speed of 2 kts

We have obtained very significant results of stability, draft and lift effects with the OF2 compared to the OFN, mainly due to:

- The exceeding pressure eliminated from the lower surface of the 3 wings (see the Orange Positive Pressure in **OFN**—Velocity)
- The surface and strength of the vacuum pressure increased on the upper surface of the wings (see the Green Negative Pressure in **OF2**—Pressure)
- The velocity of the water increased inside the foils (see the Surface of **OF2**—Velocity) and the residual cavitations (i.e. the disturbance of the water flow) are eliminated (see Some Blue Surfaces shown in **OFN**—Velocity and Orange surfaces in **OFN**—Pressure)

The OF2 design is reducing the drag effect and improving the stability of the door

Bison Trawl Doors

Efficient and Versatile

The Bison door is individually designed to suit your fishing requirements. They take your needs and split it two ways to produce an efficient shape for fuel economy, and to produce a door of a certain weight, size and balance to provide the best catching potential

Why are Bison doors so different?

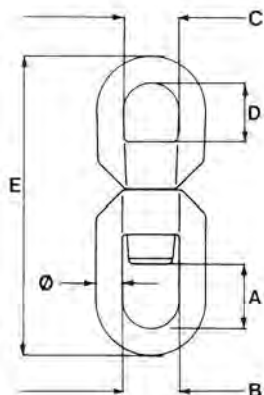
They specialize in manufacturing trawl doors, and are continually carrying out research, working on board trawlers of different nations, and keeping in close contact with Skippers/Captains

Trawl doors have to be individually designed for different areas and type of work. The fishing results of the Bison door have proved this beyond doubt

The underwater video filming has been invaluable in their research, and proves that the Bison door is so steady and stable on the bottom, even on the roughest ground or peaks, with excellent ground contact, and yet the door is as good on mud as hard ground, and can be used in shallow water to very deep

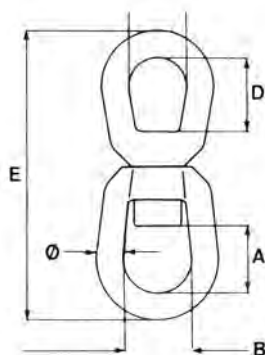


Swivels



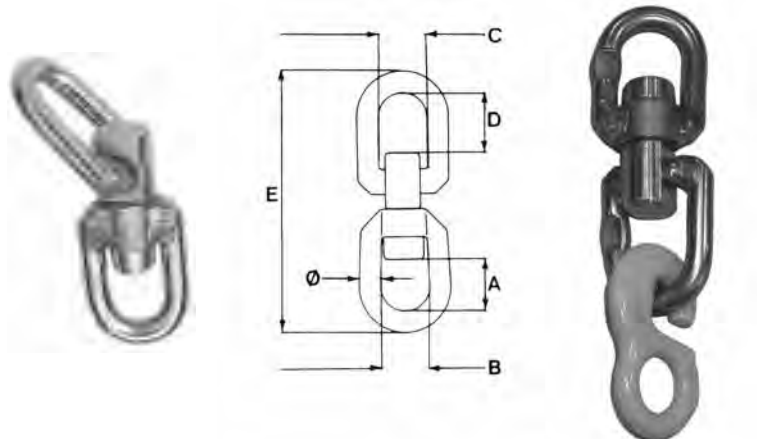
Stainless Steel

Size (")	= Ø (mm)	SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)	Product #	Item Number
1/4	06	0.27	14	14	14	14	64	0.05	A 06 SS	34050243
5/16	08	0.50	19	19	19	19	93	0.14	A 08 SS	34050244
3/8	10	1.10	30	28	20	20	110	0.23	A 10 SS	34050070
1/2	13	1.60	29	28	27	30	140	0.36	A 12 SS	34050062
5/8	16	3.20	43	38	35	47	180	0.89	A 16 SS	34050055
3/4	19	4.70	45	39	38	40	205	1.80	A 19 SS	34050073
3/4	19	4.70	45	39	38	63	230	1.85	A 19 SS L	34050245
7/8	22	6.30	45	40	40	42	222	2.25	A 22 SS	34050146
7/8	22	6.30	45	40	40	65	250	2.40	A 22 SS L	34050246
1	25	8.30	52	50	42	52	278	4.10	A 25 SS	34050114
1	25	8.30	52	47	47	84	300	4.30	A 25 SS L	34050247
1-1/4	32	12.00	60	50	50	98	350	8.15	A 32 SS	34050116
1-1/2	38	18.00	72	58	58	112	390	13.00	A 38 SS	34050071



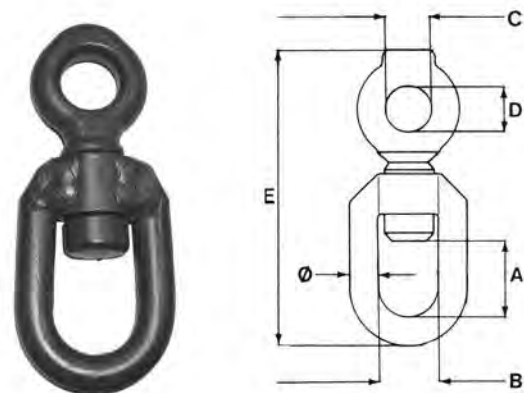
Light Blue Steel, Stainless Steel Center

Size (")	= Ø (mm)	SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)	Product #	Item Number
3/8	10	1.0	29	29	25	31	135	0.29	A 10 CTD	34050091
1/2	12	1.6	33	30	28	36	143	0.38	A 12 CTD	34050092
5/8	16	2.6	40	38	35	41	178	0.83	A 16 CTD	34050093
3/4	19	4.0	46	38	35	51	205	1.40	A 19 CTD	34050094



Stainless Steel Flex

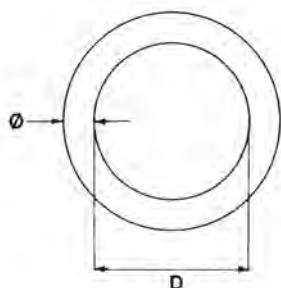
Size (")	= Ø (mm)	SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)	Product #	Item Number
1/2	13	1.6	30	28	28	34	160	0.56	A 12 SSF	34050046
5/8	16	3.2	41	38	37	48	200	1.20	A 16 SSF	34050051
3/4	19	4.7	44	40	40	54	235	2.00	A 19 SSF	34050118
7/8	22	6.3	44	40	40	55	255	2.90	A 22 SSF	34050134
1	25	8.3	55	50	45	70	320	4.70	A 25 SSF	34050157
1-1/4	32	12.0	55	55	54	93	360	9.20	A 32 SSF	34050116
1-1/2	38	18.0	62	58	60	110	410	14.60	A 38 SSF	34050010
1-3/4	45	28.0	75	70	70	115	515	24.00	A 45 SSF	34050248



Dark Blue Forged Steel

Size (")	= Ø (mm)	SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)	Product #	Item Number
5/8	16	2.4	30	28	22	22	150	0.87	A 16 FO	34050171
3/4	19	3.8	42	40	28	28	185	1.30	A 19 FO	34050172
7/8	22	5.3	57	48	34	34	230	2.20	A 22 FO	34050053
1	25	7.2	63	52	37	37	265	3.65	A 25 FO	34050142
1-1/8	28	9.0	65	52	37	37	280	4.30	A 28 FO	34050061

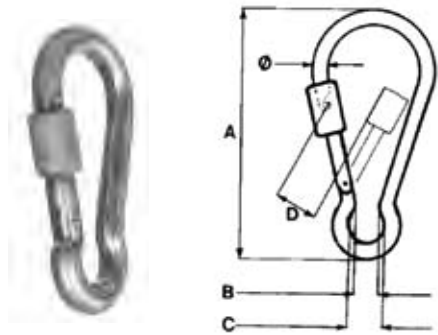
Rings



Stainless Steel

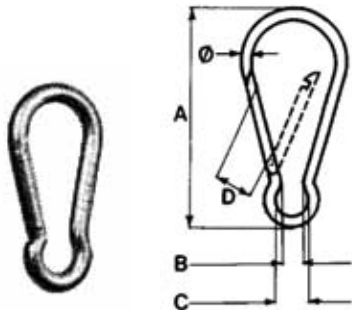
= Ø (mm)	D (mm)	Weight (kg/100)	Product #	Item Number
6	30	2.7	C 06-30 SS R	29090040
6	45	3.6	C 06-45 SS R	29090041
6	60	5.2	C 06-60 SS R	29090024
8	45	6.5	C 08-45 SS R	29090042
8	60	8.8	C 08-60 SS R	29090043
8	90	13.2	C 08-90 SS R	29090044
10	60	14.0	C 10-60 SS R	29020001
10	75	18.0	C 10-75 SS R	29090045
10	90	20.0	C 10-90 SS R	29020012
12	60	21.0	C 12-60 SS R	29090046
12	75	25.0	C 12-75 SS R	29050074
12	90	29.0	C 12-90 SS R	29020012
12	150	47.0	C 12 150 SS R	29090047
14	60	29.0	C 14-60 SS R	29090048
14	75	35.0	C 14-75 SS R	29090049
14	90	42.0	C 14-90 SS R	29090050
16	150	84.0	C 16-150 SS R	29090051
16	200	110.0	C 16-200 SS R	29020029
19	75	67.0	C 19-75 SS R	29090052
19	90	78.0	C 19-90 SS R	29090053
19	150	119.0	C 19-150 SS R	29020027
19	200	156.0	C 19-200 SS R	29090054
22	110	120.0	C 22-110 SS R	29090055
25	110	167.0	C 25-110 SS R	29090030
25	125	200.0	C 25-125 SS R	29090056

Carabine Hooks



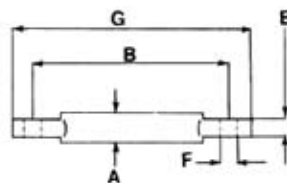
Galvanized Stainless Steel Lock Screw

Size = Ø (mm)	SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg/100)	Product #	Item Number
10	0.7	100	11	16	10	14.0	DC 10 GA S	25070227
11	0.8	120	12	19	15	19.8	DC 11 GA S	25070228
12	0.9	140	14	20	17	28.5	DC 12 GA S	25070229
08	0.7	80	09	13	08	7.2	DC 08 SS S	28030043
10	1.1	100	12	16	10	13.2	DC 10 SS S	25070072
11	1.3	120	13	19	15	19.1	DC 11 SS S	25070230



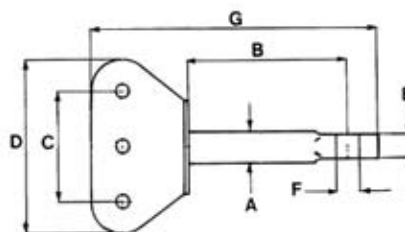
Galvanized Stainless Steel

Size = Ø (mm)	SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg/100)	Product #	Item Number
05	0.10	50	5	7	7	1.9	DC 05 GA	25070231
06	0.12	60	6	8	8	2.6	DC 06 GA	25070033
07	0.18	70	7	10	9	4.4	DC 07 GA	25070232
08	0.23	80	9	12	11	6.6	DC 08 GA	25070233
09	0.24	90	9	12	11	9.0	DC 09 GA	25070234
10	0.25	100	9	12	11	9.2	DC 10 GA	25070235
11	0.35	120	11	15	12	13.0	DC 11 GA	25070236
12	0.45	140	12	16	17	18.6	DC 12 GA	25070237
05	0.10	50	6	10	8	1.9	DC 05 SS	25070238
06	0.12	60	8	11	9	2.8	DC 06 SS	25070046
07	0.18	70	8	13	9	4.4	DC 07 SS	25070028
08	0.23	80	8	13	9	6.6	DC 08 SS	29070055
10	0.35	100	10	16	12	13.0	DC 10 SS	29070056
11	0.45	120	11	18	16	19.0	DC 11 SS	29070007
12	0.57	140	13	20	19	25.6	DC 12 SS	29070080



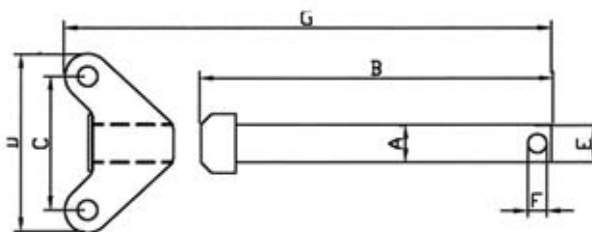
Pins

SWL 5:1 (Tons)	A (mm)	B (mm)	E (mm)	F (mm)	G (mm)	Weight (kg)	For Bobbins (")	Product #	Item Number
4.2	38	240	27	24	300	2.3	9	E21	10100158
4.2	38	270	27	24	330	2.6	12	E22	10100159
5.0	45	270	29	28	335	3.6		E23	10100160
8.5	70	720	70	38	820	23.0		E23 L	10100161

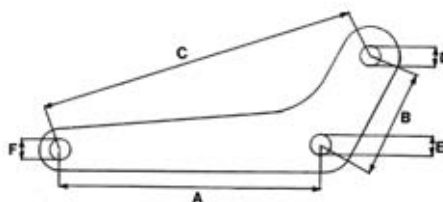


Butterflies

SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Weight (kg)	For Bobbins (")	Product #	Item Number
4.2	38	210	140	220	27	24	335	4.3	9	E24	10100162
5.0	45	255	190	270	29	28	425	7.4	12	E25	10100057
5.0	45	275	230	310	29	28	425	7.8	14	E26	10100163
8.5	70	470	270	355	70	34	660	34.0	-	E27	10100164
8.5	70	620	270	370	70	34	970	40.0	-	E29	10100130



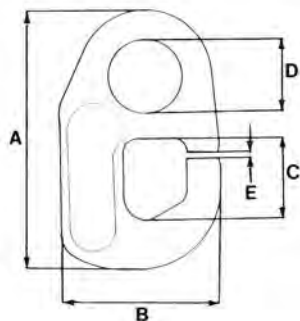
SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	G (mm)	Weight (kg)	Product #	Item Number
8.5	70	840	305	400	70	35	820	29.1	E30	10100145



Danleno Arm

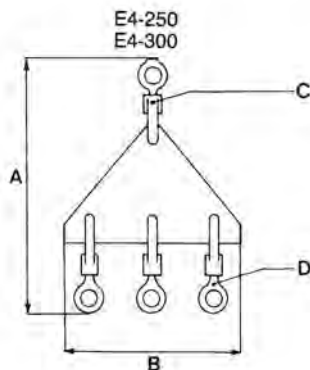
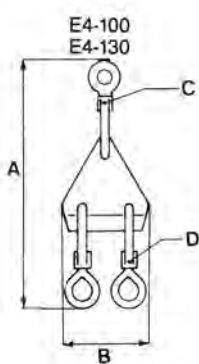
A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Thickness (mm)	Weight (kg)	Product #	Item Number
375	145	470	30	30	30	20	6.8	E50	10100165
455	230	600	30	39	28	25	16.5	E51	10100166

Viking Link



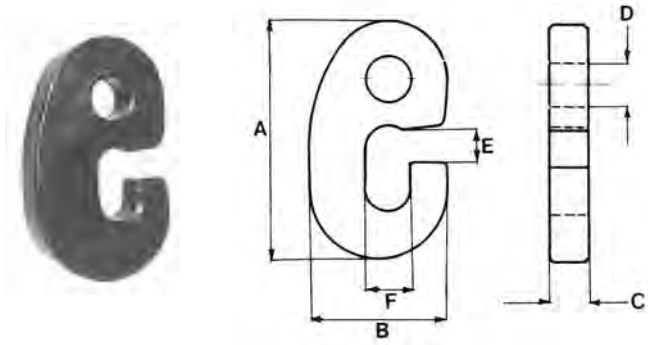
Quenched and Tempered Forged High Tensile Steel

SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)	Product #	Item Number
3.0	115	70	42	30	2.5	0.7	DV 30	10100011
5.0	130	80	42	36	2.5	1.1	DV 50	10100127
8.0	145	90	42	42	2.5	1.6	DV 80	10100141



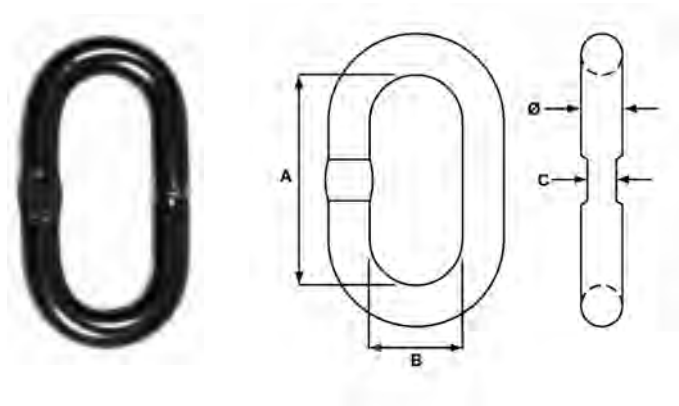
Triangle with Swivels

SWL 5:1 (Tons)	A (mm)	B (mm)	Weight (kg)	Plate (mm)	Product #	Item Number
2.4	340	100	15.0	2.90	E4-100	10100093
3.8	440	130	20.0	5.50	E4-130	10100014
5.3	480	250	20.0	9.50	E4-250	10100006
9.0	570	300	25.0	17.50	E4-300	10100125



G-Hooks

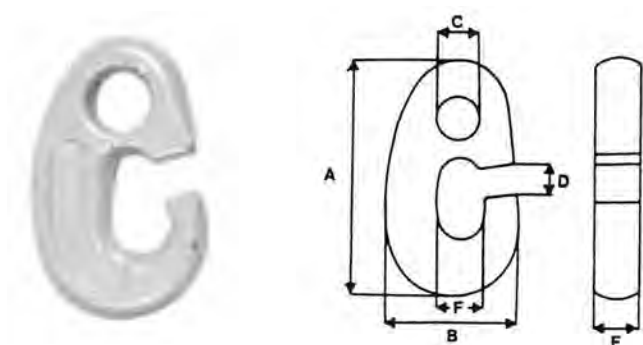
SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)	Product #	Item Number
1.0	88	55	12	17	10.5	14	0.36	EG 01	10100149
1.5	107	66	16	20	13.0	19	0.60	EG 02	10100001
3.2	123	77	20	26	15.0	22	0.90	EG 03	10100113
4.4	150	95	25	32	20.0	26	1.80	EG 04	10100118
5.6	180	115	30	38	23.0	31	3.10	EG 05	10100167
10.0	195	126	35	41	25.0	34	4.40	EG 06	10100002
12.5	230	140	40	47	28.0	38	6.60	EG 07	10100168



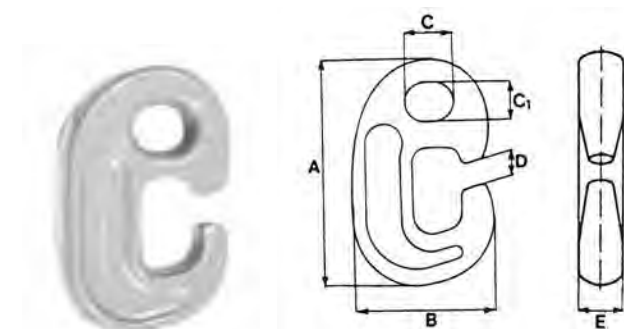
Recessed Links

SWL 5:1 (Tons)	Ø (mm)	A (mm)	B (mm)	C (mm)	Weight (kg)	Product #	Item Number
1.0	12	70	30	10	0.20	ER 01	28070023
1.5	16	85	35	12	0.40	ER 02	28070022
3.2	20	110	45	14	0.90	ER 03	28070020
4.4	25	130	50	18	1.50	ER 04	28070013
5.6	28	150	60	21	2.10	ER 05	28070027
10.0	32	150	60	23	2.80	ER 06	28070018
12.5	35	160	73	26	3.80	ER 07	28070019

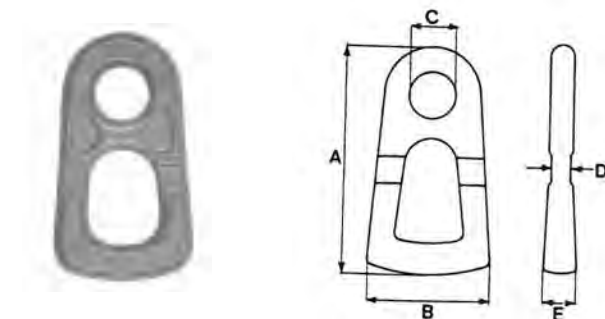
High Tensile Steel BMM G-Hook



SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)	Product #	Item Number
4.2	123	78	26	16	21	26	0.90	EAG 04	10100169
6.4	175	103	28	21	32	28	2.65	EAG 06	10100170



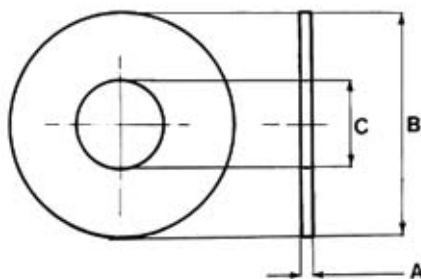
SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	C1 (mm)	D (mm)	E (mm)	Weight (kg)	Product #	Item Number
3.0	115	70	30	30	17	20	0.65	EVG 03	10100010
5.0	132	82	38	38	17	26	1.20	EVG 05	10100146
8.0	153	97	42	42	18	30	1.90	EVG 08	10100022
10.0	180	115	40	30	18	35	3.30	EVG 10	10100031
15.0	215	136	50	40	18	45	6.05	EVG 15	10100042
20.0	240	155	60	50	27	50	8.40	EVG 20	10100132



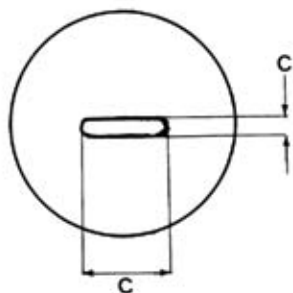
High Tensile Steel BMM Recessed Link

SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)	Product #	Item Number
8.0	175	97	38	15	22	1.4	EVR 08	10100065
10.0	205	140	40	17	25	2.5	EV 10	10100120

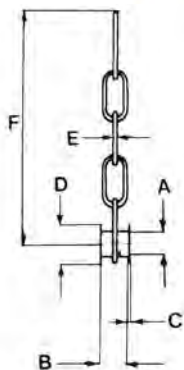
Washers



A (mm)	B (mm)	C (mm)	Weight (kg)	For Chain (mm)	Product #	Item Number
8	100	40.0	40.0	10	EW 8 - 100 - 40	04220225
8	100	50.0	37.0	13	EW 8 - 100 - 50	04220205
8	120	40.0	60.0	10	EW 8 - 120 - 40	04220234
8	120	50.0	55.0	13	EW 8 - 120 - 50	04220235
8	150	40.0	120.0	10	EW 8 - 150 - 40	04220236
8	150	40.0	110.0	13	EW 8 - 150 - 50	04220120
8	150	60.0	100.0	16	EW 8 - 150 - 60	04220237
10	120	25.5	78.0	-	EW 10 - 120 - 25,5	04220238
10	120	30.5	75.0	-	EW 10 - 120 - 30,5	04220239
10	120	50.0	70.0	13	EW 10 - 120 - 50	04220056
10	120	60.0	65.0	16	EW 10 - 120 - 60	04220180
10	150	40.0	150.0	10	EW 10 - 150 - 40	04220240
10	150	50.0	140.0	13	EW 10 - 150 - 50	04220191
10	150	60.0	130.0	16	EW 10 - 150 - 60	04220192
10	150	75.0	102.0	19	EW 10 - 150 - 75	04220241
10	200	75.0	233.0	19	EW 10 - 200 - 75	04220243
12	150	70.0	135.0	19	EW 12 - 150 - 75	04220242
12	200	75.0	340.0	19	EW 12 - 200 - 75	04220244
14	150	75.0	140.0	19	EW 14 - 150 - 75	04220184
14	200	75.0	327.0	19	EW 14 - 200 - 75	04220245
20	200	75.0	560.0	19	EW 20 - 200 - 75	04220246
25	200	75.0	700.0	19	EW 25 - 200 - 75	04220247

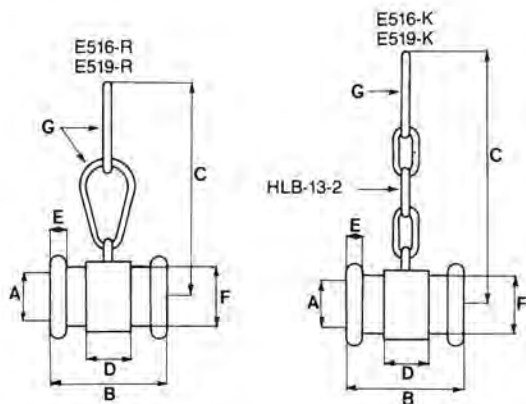


A (mm)	B (mm)	C (mm)	Weight (kg)	For Chain (mm)	Product #	Item Number
8	120	21 x 54	57.0	HL-13-8	EW 8 - 120 - 54	04220056
10	120	21 x 61	66.0	LL-16-8	EW 10 - 120 - 61	04220248
10	150	71 x 48	160.0	HL-11-8	EW 10 - 150 - 48	04220249
10	150	21 x 54	160.0	HL-13-8	EW 10 - 150 - 54	04220251
10	150	21 x 61	160.0	LL-16-8	EW 10 - 150 - 61	04220161
10	150	23 x 71	150.0	LL-19-8	EW 10 - 150 - 71	04220252
12	150	23 x 71	137.0	LL-19-8	EW 12 - 150 - 71	04220181



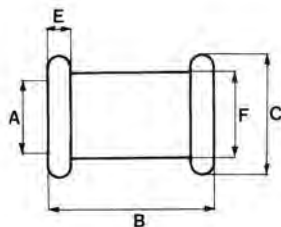
Heavy Type Chain Toggles

A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)	For Chain Dia. (mm)	Product #	Item Number
40	50	8	80	10	300	140.0	10	E 340 H-5	09070043
50	50	8	120	10	320	255.0	13	E 350 H-5	09070034
65	50	10	120	12	320	330.0	16	E 365 H-5	09070005
72	50	10	150	12	390	400.0	19	E 372 H-5	09070039



Steel Spacer with Rings with Chain

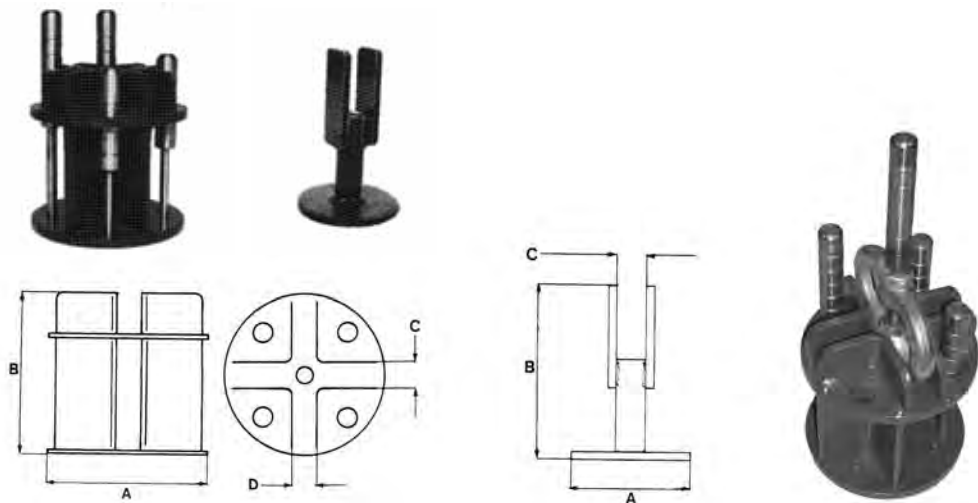
A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)	Product #	Item Number
50	150	320	60	16	64	3.1	E 513-R	02010099
65	200	360	60	19	83	6.1	E 516-R	02010100
80	200	380	70	22	102	10.7	E 519-R	02010050
65	200	335	60	19	83	6.1	E 516-K	02010101
80	200	335	70	22	102	10.7	E 519-K	02010049



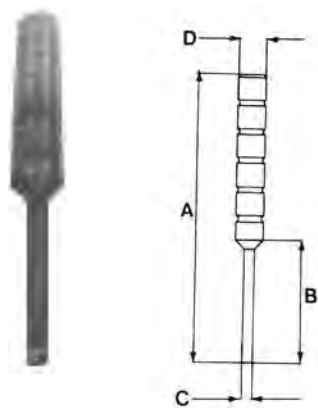
Steel Spacer

A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)	Product #	Item Number
50	150	95	16	64	2.3	2.3	E 513	02010091
65	200	121	19	83	4.9	4.9	E 516	02010090
80	200	146	22	102	8.3	102	E 519	02010102

Tool with Punches for Connectors

E600/E610
E650:


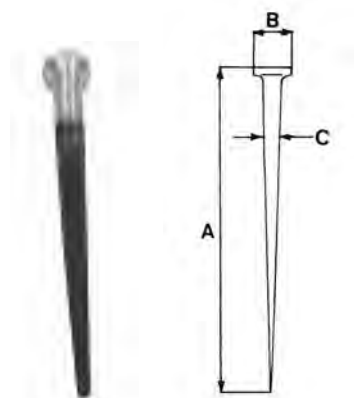
A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)	Number of Punches	For Connector	Product #	Item Number
160	170	25	21	6.8	4	10-13-16-19	E600	40321036
160	170	25	21	5.1	0	-	E601	40321037
160	200	35	28	7.2	2	19-22	E610	40321038
160	200	35	28	6.1	0	-	E611	40321039
120	190	32	-	1.7	0	13-16	E650	40321040



Punches

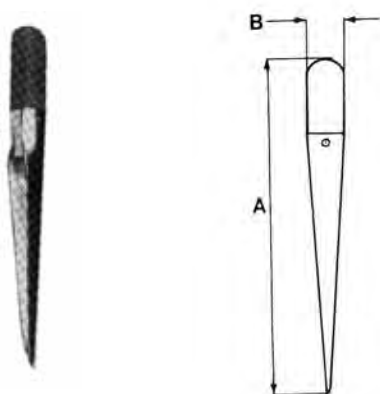
A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg)	For Connector	Product #	Item Number
175	50	5	22	0,33	7	E600-05	40320706
190	70	7	22	0,36	10	E600-07	40320173
210	85	9	22	0,41	13	E600-09	40320128
220	100	11	22	0,45	16	E600-11	40320129
240	115	13	22	0,50	19	E600-13	40320130
250	125	15	22	0,55	22	E600-15	40320131
265	140	17	22	0,65	26	E600-17	40320773

Marline Spikes



Chrome Steel, Hardened Tip for Wire

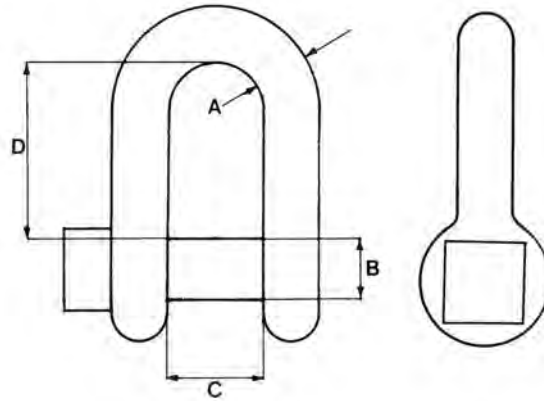
A (mm)	A (")	B (mm)	C (mm)	Weight (kg)	Product #	Item Number
260	10	28	16	0.24	EM 260 CH	11010011
310	12	28	20	0.37	EM 310 CH	11010031
350	14	38	25	0.81	EM 350 CH	11010032
410	16	38	25	1.06	EM 410 CH	11010033
450	18	43	28	1.21	EM 450 CH	11010034
510	20	43	28	1.39	EM 510 CH	11010083
610	24	43	28	1.88	EM 610 CH	11010084
700	28	43	28	2.30	EM 700 CH	11010085
900	36	43	28	3.38	EM 900 CH	11010102



Stainless Steel Rope Fids

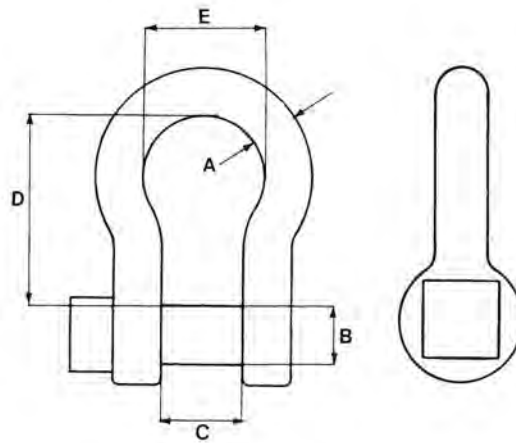
A (mm)	B (mm)	Weight (kg)	Handle	Product #	Item Number
170	24	0.030	Wood	EM 170 SS	11010087
280	32	0.125	Wood	EM 280 SS	11010014
305	33	0.260	Nylon	EM 305 SS	11010021
385	43	0.460	Nylon	EM 385 SS	11010015

Steel Shackles



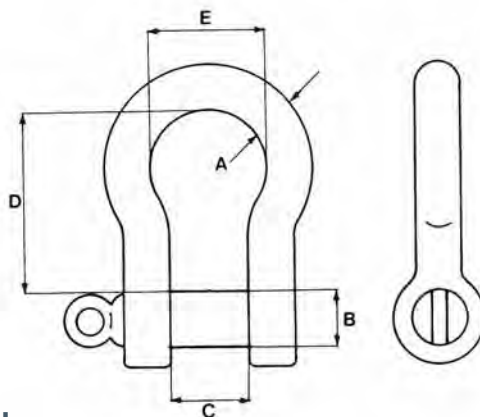
Blue Dee Type

Size (")	SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg/100)	Sacks of	Product #	Item Number
3/8	1.0	10	12	18	43	15.0	250	FK 10 DB	31043037
1/2	1.5	12	16	27	56	30.0	250	FK 13 DB	31040041
5/8	2.5	16	19	33	67	60.0	80	FK 16 DB	31040156
3/4	3.0	19	22	39	80	105.0	40	FK 19 DB	31040157
7/8	4.0	22	25	45	80	145.0	30	FK 22 DB	31040163
1	5.0	25	28	48	92	210.0	20	FK 25 DB	31040164



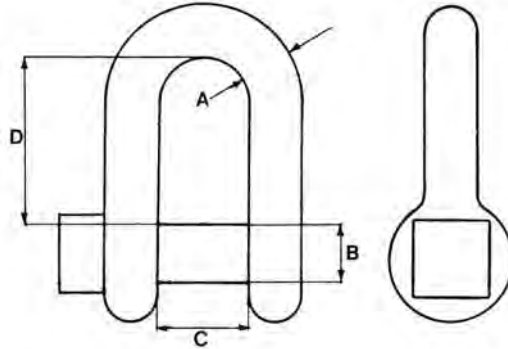
Bow Type

Size (")	SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg/100)	Sacks of	Product #	Item Number
1/2	1.5	12	16	27	61	44	32.0	200	FK 13 HB	31043038
5/8	2.5	16	19	33	70	54	70.0	80	FK 16 HB	31043039
3/4	3.0	19	22	38	84	63	120.0	40	FK 19 HB	31043040
7/8	4.0	22	25	44	90	70	165.0	30	FK 22 HB	31043041
1	5.0	25	28	48	105	82	240.0	20	FK 25 HB	31043042



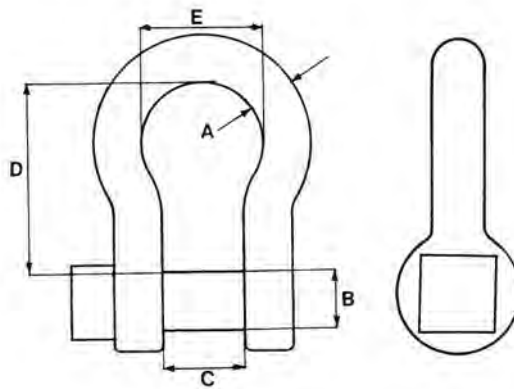
Green Screw Collar Pin Shackle

Size (")	SWL 6:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg/100)	Sacks of	Product #	Item Number
1/4	0.50	6	8	12	28	20	6.0	25	F06HGPE	31043043
5/16	0.75	8	10	13	31	21	11.0	25	F08HGPE	31043044
3/8	1.00	10	11	16	36	26	15.0	25	F10HGPE	31043045
7/16	1.50	11	13	18	43	29	21.0	25	F11HGPE	31043046
1/2	2.00	13	16	22	51	32	37.0	25	F12HGPE	31043047
5/8	3.25	16	19	26	64	43	65.0	20	F16HGPE	31043048
3/4	4.75	19	22	31	76	51	106.0	10	F19HGPE	31043049
7/8	6.50	22	25	36	83	58	156.0	5	F22HGPE	31043050
1	8.50	25	28	43	95	68	232.0	5	F25HGPE	31043051
1-1/8	9.50	28	32	47	108	75	328.0	4	F28HGPE	31043052
1-1/4	12.00	32	35	51	115	83	451.0	3	F32HGPE	31043053
1-3/8	13.50	35	38	57	133	92	593.0	1	F35HGPE	31043054
1-1/2	17.00	38	42	60	146	99	789.0	1	F38HGPE	31043055
1-3/4	25.00	45	50	74	178	126	1340.0	1	F45HGPE	31043056
2	35.00	50	57	83	197	146	1885.0	1	F50HGPE	31043057
2-1/4	42.50	57	65	95	222	160	2606.0	1	F57HGPE	31043058
2-1/2	55.00	65	70	105	254	185	3786.0	1	F65HGPE	31043059
3	85.00	75	80	127	330	190	5868.0	1	F75HGPE	31043060



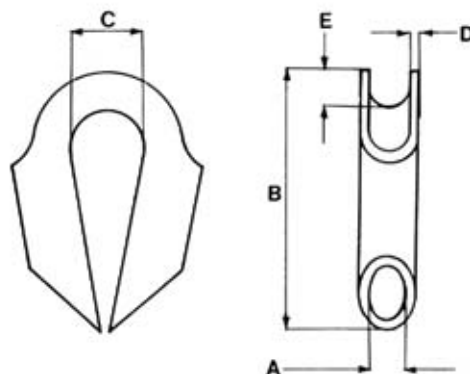
Green Square Head Pin Dee Type Shackle

SWL 6:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	Weight (kg/100)	Sacks of	Product #	Item Number
2.00	13	16	22	43	34.0	25	F12 DGPSQ	31020017
3.25	16	19	26	51	63.0	20	F16 DGPSQ	31020026
4.75	19	22	31	59	95.0	10	F19 DGPSQ	31020024
6.50	22	25	36	73	155.0	5	F22 DGPSQ	31020140
8.50	25	28	43	85	230.0	5	F25 DGPSQ	31020032
9.50	28	32	47	90	324.0	4	F28 DGPSQ	31020041
12.00	32	35	51	94	440.0	3	F32 DGPSQ	31020121
13.50	32	38	57	115	600.0	1	F35 DGPSQ	31020069
17.00	38	42	60	127	750.0	1	F38 DGPSQ	31020151
25.00	45	50	74	149	1400.0	1	F45 DGPSQ	31020126



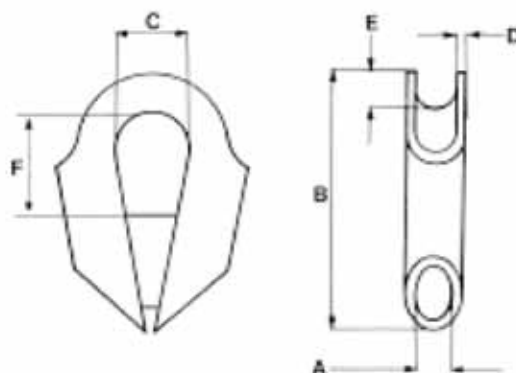
Bow Type

SWL 6:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg/100)	Sacks of	Product #	Item Number
2.00	13	16	22	51	32	34.0	25	F12 HGPSQ	31020176
3.25	16	19	26	64	43	63.0	20	F16 HGPSQ	31020154
4.75	19	22	31	76	51	95.0	10	F19 HGPSQ	31020138
6.50	22	25	36	83	58	155.0	5	F22 HGPSQ	31020139
8.50	25	28	43	95	68	230.0	5	F25 HGPSQ	31020135
9.50	28	32	47	108	75	324.0	4	F28 HGPSQ	31020136
12.00	32	35	51	115	83	440.0	3	F32 HGPSQ	31020137
13.50	32	38	57	133	92	600.0	1	F35 HGPSQ	31020016
17.00	38	42	60	146	99	750.0	1	F38 HGPSQ	31020147
25.00	45	50	74	178	126	1400.0	1	F45 HGPSQ	31040165



Tube-Type Thimble

A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)	For Wire Max.	Product #	Item Number
15	109	27	5.0	10	0.42	12	G 215	38030037
17	115	27	5.0	10	0.50	14	G 217	38030038
19	125	32	5.0	12	0.60	16	G 219	38030035
22	140	35	5.0	15	0.75	18	G 222	38030039
25	158	45	6.3	16	1.23	22	G 225	38030036
28	176	45	7.0	16	1.54	24	G 228	38030012
30	195	47	7.0	18	1.82	26	G 230	38030009
35	210	60	7.0	22	2.40	32	G 235	38030040



Tube-Type Thimble, comes with Gusset

A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)	For Wire Max.	Product #	Item Number
15	109	27	5.0	10	49	0.46	12	G 215 K	38020087
17	115	27	5.0	10	40	0.54	14	G 217 K	38020088
19	125	32	5.0	12	43	0.67	16	G 219 K	38020089
22	140	35	5.0	15	58	0.80	18	G 222 K	38020090
25	158	45	6.3	16	59	1.36	22	G 225 K	38020091
28	176	45	7.0	16	61	1.65	24	G 228 K	38020079
30	195	47	7.0	18	78	2.00	26	G 230 K	38030006
35	210	60	7.0	22	93	2.73	32	G 235 K	38020092



Grade 8 Alloy Steel Chain

SWL 5:1 (Tons)	D (mm)	E (mm)	H (mm)	Meter/Barrel	Weight (kg)	Product #	Item Number
2.0	9	57	16	150	1.4	HLL-9-8	09050069
3.0	11	66	18	150	2.1	HLL-11-8	09050034
4.2	13	81	22	150	2.7	HLL-13-8	09050051
6.4	16	100	26	50-100	4.3	LL-16-8	09050043
9.0	19	100	28	50-100	6.5	LL-19-8	09050050
12.1	22	120	32	50-100	8.5	LL-22-8	09050070
19.7	28	150	39	50	14.0	LL-28-8	09050071
25.7	32	170	44	50	19.0	LL-32-8	09050072

Available in yellow or black

Mid Link

SWL 5:1 (Tons)	D (mm)	E (mm)	H (mm)	Meter/Barrel	Weight (kg)	Product #	Item Number
4.2	13	50	18	100	3.3	MLL-13-8	09050031
6.4	16	65	29	100	5.1	MLL-16-8	09050032
9.0	19	75	29	100	7.1	MLL-19-8	09050033
12.1	22	88	30	50	9.4	MLL-22-8	09050073

Available in yellow or black

TRAWLEX®

Grade 95 Alloy Steel Chain

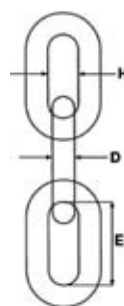
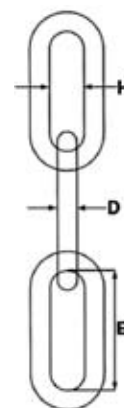
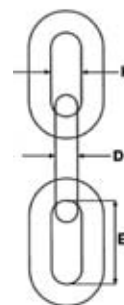
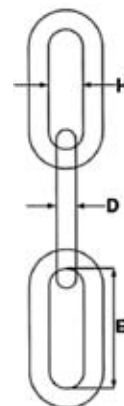
Breaking Load (Tons)	D (mm)	E (mm)	H (mm)	Meter/Barrel	Weight (kg)	Product #	Item Number
26.5	13	80	22	100	2.83	PLL-13-95	09050017
40.0	16	100	26	100	4.34	PLL-16-95	09050018
57.0	19	100	27	108	6.31	PLL-19-95	09050060
75.0	22	120	37	70	8.74	PLL-22-95	09050074

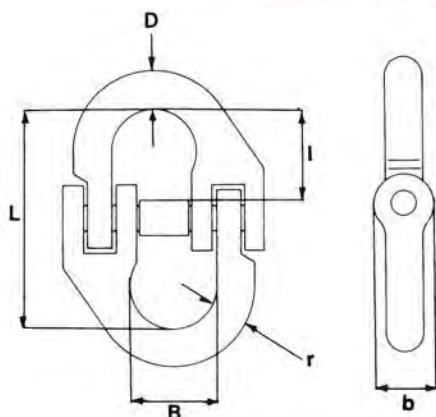
Super hardened chain with 25% extra strength

Mid Link

Breaking Load (Tons)	D (mm)	E (mm)	H (mm)	Meter/Barrel	Weight (kg)	Product #	Item Number
41.0	16	64	24.0	100	4.85	PMLP-16-95	09050015
57.0	19	76	28.5	75	6.92	PMLP-19-95	09050016
75.0	22	86	27.0	50	9.24	PML-22-95	09050075

Super hardened chain with 25% extra strength

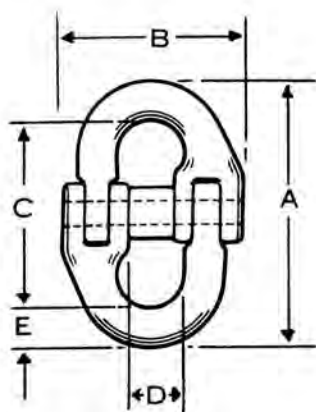




Yellow Connectors

Breaking Load (Tons)	L (mm)	B (mm)	D (mm)	b (mm)	I (mm)	Weight (kg)	Number/Box	Product #	Item Number
8.0	52	19	9	13	22	0.11	80	CO 07	28010104
12.8	64	24	12	18	26	0.26	40	CO 10	28010105
21.6	86	32	16	23	36	0.62	20	CO 13	28010106
32.0	100	40	20	27	40	1.05	10	CO 16	28010107
50.0	122	47	23	33	46	1.58	5	CO 19	28010244
60.0	150	49	24	34	59	3.00	5	CO 22	28010245
85.0	160	58	29	36	61	4.60	1	CO 26	28010246

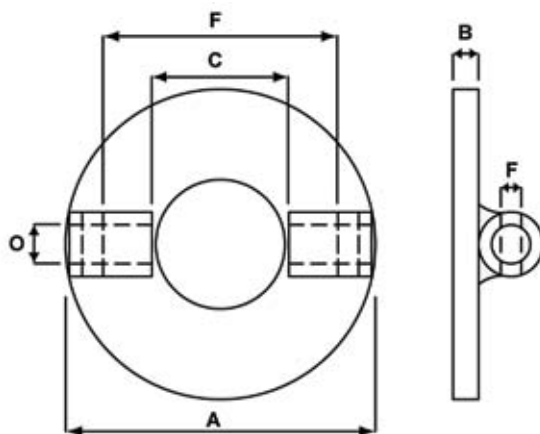
Also available in blue



TRAWLEX®

Connectors

SWL 5:1 (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	Weight (kg)	Product #	Item Number
1.5	67	47	48	14.3	09	0.11	TL07	28010241
2.5	89	63	64	19.2	13	0.36	TL10	28010092
4.2	118	84	85	26.5	17	0.66	TL13	28010093
6.4	144	95	106	32.0	19	1.08	TL16	28010102
10.0	168	114	122	38.5	23	1.77	TL19	28010103
12.0	206	140	150	49.0	28	2.80	TL23	28010242
17.0	230	160	166	57.0	32	4.40	TL26	28010109
25.0	278	209	200	63.0	39	8.40	TL32	28010243



Rockhopper Stopwasher

A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)	Ø = mm	Product #	Item Number
106	10	40	10	83	6 x 20	0.76	10	MT 10	04220230
114	10	52	14	88	6 x 25	1.10	13	MT 13	04220231
150	12	62	15	117	6 x 26	1.65	16	MT 16	04220165
200	13	72	20	137	10 x 32	4.10	19	MT 19	04220162
200	13	80	20	137	10 x 32	4.10	22	MT 22	04220232



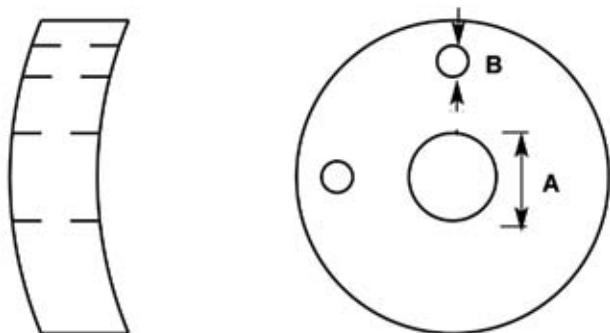
White Plastic Rings

Inside Dia. (mm)	Outside Dia. (mm)	Lifting Capacity	Pieces/Carton	Weight/Carton (kg)	Product #	Item Number
38	55	450	1000	10	PP 421	29040089
44	69	400	1000	24	PP 422	29040052
60	89	1100	500	20	PP 490	29040060
114	151	200	100	12	PP 492	29040080

WE CUT CHAIN TO YOUR SPECIFICATIONS

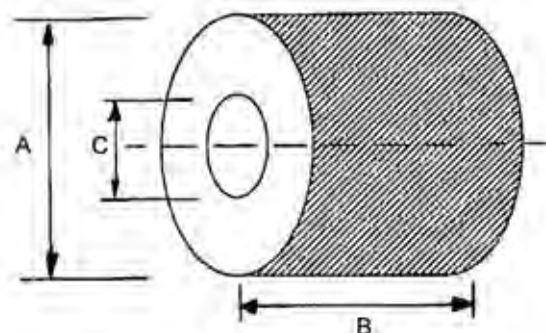
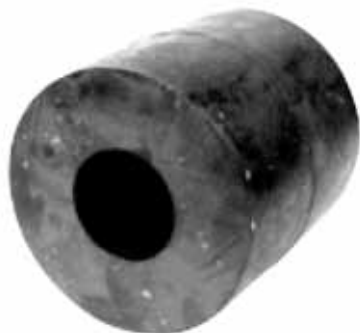


Inquiries Welcome



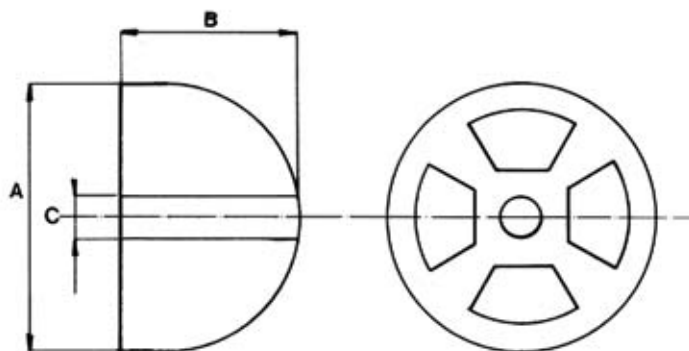
Rockhoppers Type RRR

Size (")	Size (mm)	A (mm)	B (mm)	Weight (kg/pcs)	Product #	Item Number
10	250	55	45	2.5-3.5	RRR 1055-45/45	02050128
12	300	70	20	5.0-6.0	RRR 1220-20/20	02050006
12	300	50	40	4.5-5.5	RRR 1250-40/40	02050006
12	300	65	50	4.0-5.0	RRR 1265-50/50	02050006
14	350	0	0	7.0-8.0	RRR 1400-00/00	02050009
14	350	50	40	6.0-7.5	RRR 1450-40/40	02050009
14	350	65	50	5.5-7.0	RRR 1465-50/50	02050009
16	400	0	0	9.0-10.0	RRR 1600-00/00	02050044
16	400	65	50	8.0-10.0	RRR 1665-50/50	02050044
16	400	80	75	8.0-10.0	RRR 1680-75/75	02050044
18	450	0	0	13.5-15.5	RRR 1800-00/00	02050045
18	450	65	50	11.5-13.5	RRR 1865-50/50	02050045
18	450	80	75	11.5-13.5	RRR 1880-75/75	02050045
21	530	80	75	15-18	RRR 2180/15-18	02050046
21	530	80	75	18-20	RRR 2180-18-20	02050046
21	530	80	75	20-23	RRR 2180/20-23	02050046
21	530	80	75	23-26	RRR 2180/23-26	02050046
21	530	80	75	26-30	RRR 2180/25-30	02050046
21	530	80	75	30-35	RRR 2180/30-35	02050046
21	530	80	75	35-40	RRR 2180/35-40	02050046
24	600	80	75	25-30	RRR 2480/25-30	02050052
24	600	80	75	30-35	RRR 2480/30-35	02050052
24	600	80	75	35-40	RRR 2480/35-40	02050052
24	600	80	75	40-50	RRR 2480/40-50	02050052



Rubber Spacers

Size (")	A (mm)	B (mm)	C (mm)	Weight (kg)	Pieces/Pallet	Product #	Item Number
37/8 x 43/4	100	121	64	1.45	600	RSB 100-121-064	02010103
4 x 7	100	180	50	1.40	475	RSB 100-180-050	02010104
43/4 x 73/4	120	195	64	2.10	400	RSB 120-195-064	02010105
5 x 63/4	125	170	60	2.10	500	RSB 125-170-060	02010106
63/4 x 31/2	172	89	76	2.00	470	RSB 172-089-076	02010107
63/4 x 43/4	172	121	64	2.10	400	RSB 172-121-064	02010108
63/4 x 7	172	178	76	4.00	235	RSB 172-178-076	02010065
8 x 2	200	50	80	1.70	600	RSB 200-050-080	02010109
8 x 4	200	100	80	3.40	300	RSB 200-100-080	02010064
8 x 8	200	200	80	6.80	150	RSB 200-200-080	02010003



Rubber Bunt Bobbins

A (mm)	B (mm)	C (mm)	Weight (kg)	Product #	Item Number
230	155	48	4.4	HB230B	02010001
275	180	50	4.5	HB275B	02010110
300	200	55	9.1	HB300B	02010002
350	220	55	11.8	HB350B	02010007
400	260	62	19.8	HB400B	02010004
450	300	62	30.0	HB450B	02010005

Lobster Gear

Lobster Traps

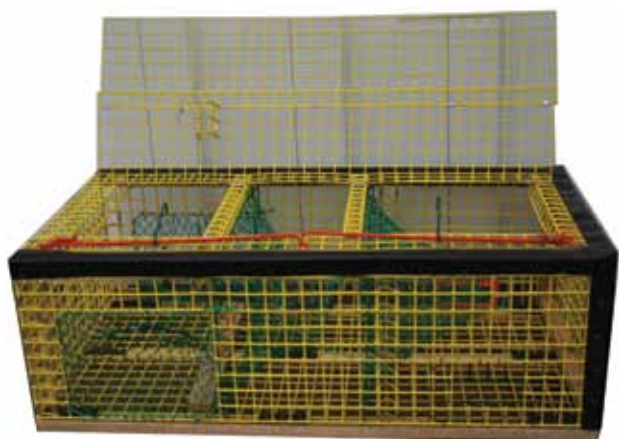
All traps are custom built to your specifications. Made by trained and experienced fabricators at various IMP branches across the Maritimes, the traps consist of high grade wire and today's leading innovative accessories. Call for a free quote today

**WE ARE ATLANTIC CANADA'S
MOST TRUSTED TRAP BUILDER**



Single Parlour

12050435



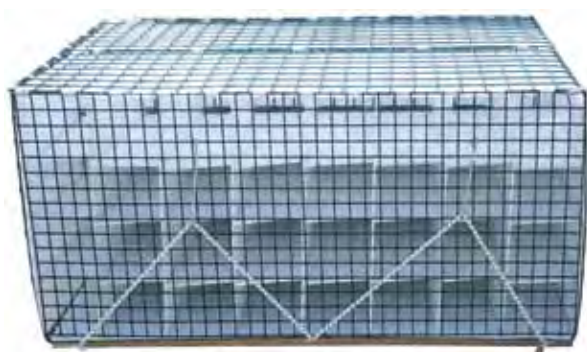
American Style

12050431



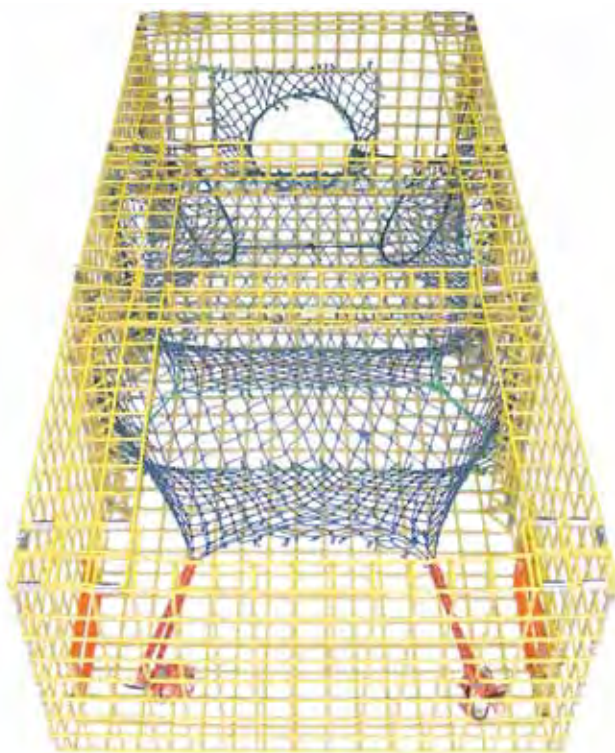
Double Parlour

12050434



90 Lobster Holding Cage

12050139



3-Way American Style

12050432



Cavatorta

- "Galvanized After Welding" Lobster Wire
- Can be formed to produce almost any size or shape of crab and lobster trap
- Severe duty wire mesh

Height (')	Cavatorta Green		Sheppard Green	
	Gauge 10'	Gauge 12'	Gauge 10'	Gauge 12'
6	12050664	12050210	12050540	12050130
10-1/2	12050665	12050218	12050627	12050122
12	12050666	12050188	12050237	12050051
13-1/2	12050210	12050189	12050628	12050047
15	12050222	12050190	12050168	12050052
16-1/2	12050201	12050191	12050142	12050097
18	12050209	12050192	12050629	12050048
19-1/2	12050214	12050193	12050470	12050160
21	12050202	12050194	12050014	12050022
22-1/2	12050219	12050221	12050630	12050652
24	12050206	12050195	12050631	12050023
30	*	*	12050632	12050653
31-1/2	*	*	12050633	12050029
36	12050488	12050196	12050141	12050031
43-1/2	12050667	12050213	12050634	12050033
48	12050254	12050197	12050635	12050050
54	12050668	12050198	12050335	12050094
57	12050203	12050199	12050088	12050035
60	12050207	12050200	12050157	12050654
63	12050249	12050187	12050636	12050655
66	12050669	12050248	12050637	12050656



CE Sheppard

- Long life
- The most cost effective solution for harsh marine applications
- Resists crushing

Height (')	Cavatorta Yellow		Sheppard Yellow	
	Gauge 10'	Gauge 12'	Gauge 10'	Gauge 12'
6	12050670	12050262	12050548	12050301
10-1/2	12050671	12050263	12050638	12050289
12	12050672	12050264	12050639	12050288
13-1/2	12050255	12050265	12050542	12050173
15	12050387	12050266	12050640	12050217
16-1/2	12050258	12050267	12050569	12050208
18	12050386	12050359	12050401	12050178
19-1/2	12050673	12050678	12050641	12050297
21	12050259	12050268	12050545	12050172
22-1/2	12050256	12050679	12050642	12050657
24	12050257	12050269	12050180	12050318
30	*	*	12050643	12050028
31-1/2	*	*	12050644	12050658
36	12050674	12050680	12050645	12050177
43-1/2	12050675	12050681	12050646	12050659
48	12050388	12050270	12050647	12050660
54	12050676	12050682	12050648	12050661
57	12050260	12050271	12050649	12050171
60	12050261	12050272	12050089	12050212
63	12050468	12050467	12050650	12050662
66	12050677	12050553	12050651	12050663

Contact your local IMP Marine branch for the measure that suits you

* Special Order



Banding Pliers and Measurer Combo

40230018



Cold Water Lobster Bands

Colour	Item Number
Cream	16010006
Blue	16010007
Green	16010009
Red	16010010



Jumbo Lobster Banding Pliers

40230005



J Clip Pliers

40230003



Aluminum Lobster Trap J Clip

Small	12050084
Large	12050085



Lobster Measurer

57060006



Hog Ring Pliers

40230012



Lobster Trap Hog Rings

3/8 Stainless Steel	2904017
3/4 Stainless Steel	2904018
1/2 Stainless Steel	2904011
3/4 Black	2904064
1/2 Black	2904063



Nylon Shock Cord

1/4	07010006
1/8	07010023
3/16	07010014
3/8	07010007
5/16	07010008





Lobster Trap Door Hook

25070030



Lobster Trap Door Hook Aluminum

12050417



Plastic Lobster Trap Door Hook

25070087



Aluminum Lobster Pot Ring

4-1/2	29040006
5	29040007
5-1/2	29040008
6	29040009
7	29040010



IMP Plastic Ring

4	29040004
4-1/2	29040001
5	29040002
5-1/2	29040005
6	29040003



Galvanized Vinyl Coated Lobster Trap Rings

4	29040047
4-1/2	29040031
5	29040032
5-1/2	29040033
6	29040034



Lobster Trap Escape Hatch

Made from high quality plastic, these escape hatches snap into your trap and are fastened with self coated hog rings. The hog rings will deteriorate after a period of time to release lobster from a lost trap

35010007



Bait Bag 6"x10"

03160047



Sand Flea Bags 7" x 7"

These bags are designed to keep sand fleas from eating your lobster bait. The Velcro opening provides easy opening and closing to refill the bags

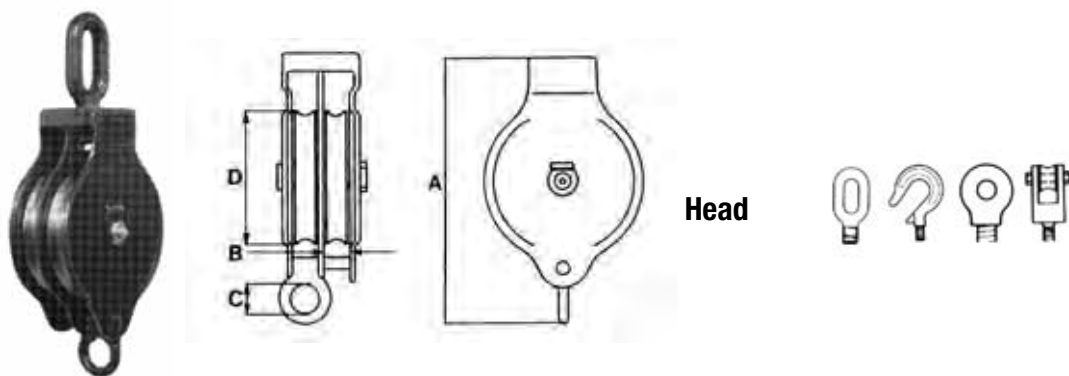
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Galvanized BMM Blocks



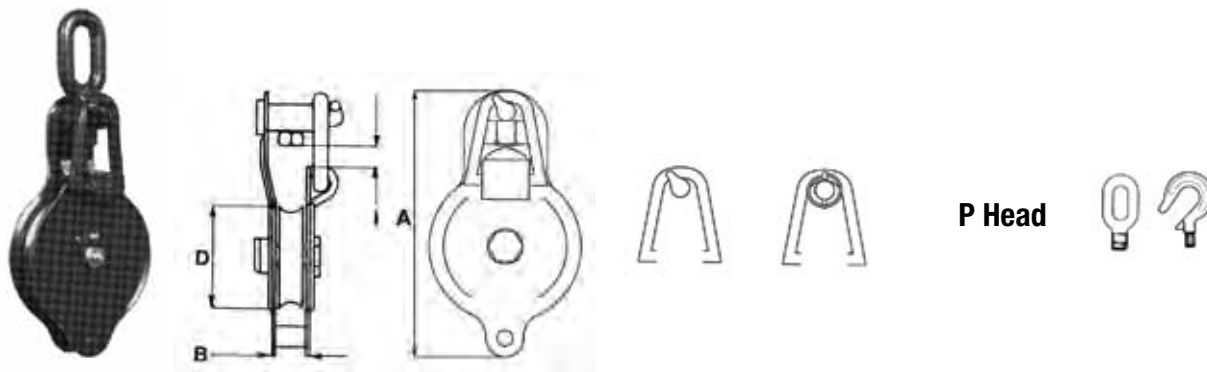
Single

SWL (Tons)	Max load on head-fitting (Tons)	Test Load (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	Max Wire (mm)	Weight (kg)	Product #	Item Number
1.0	2.0	4.0	163	22	16	80	16	1.7	KT 1	53040163
2.0	4.0	8.0	195	24	22	110	18	3.1	KT 2	53040164
3.0	6.0	8.0	257	28	31	150	20	6.4	KT 3	53040165
4.0	8.0	16.0	330	35	40	185	22	11.1	KT 4	53040204
6.0	12.0	24.0	365	42	40	210	24	17.0	KT 6	53040205



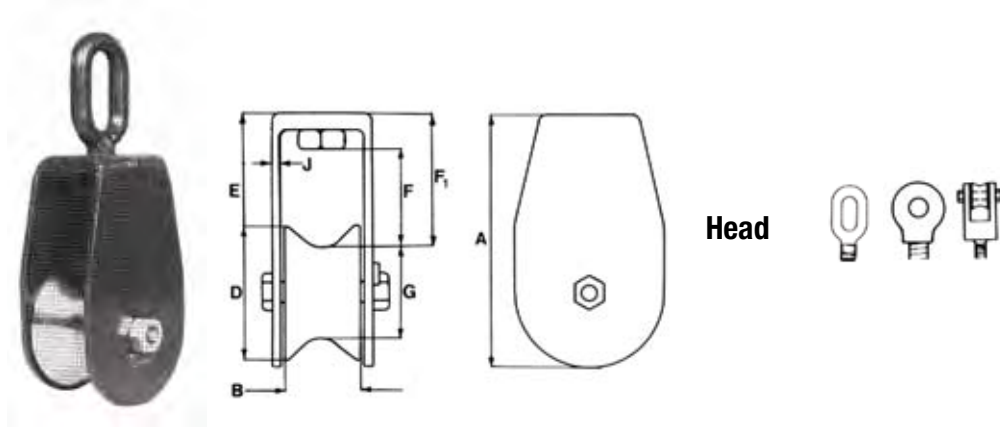
Double

SWL 5:1 (Tons)	Max load on head-fitting (Tons)	Test Load (Tons)	A (mm)	B (mm)	C (mm)	D (mm)	Max Wire (mm)	Weight (kg)	Product #	Item Number
1.0	2.0	4.0	187	22	16	80	16	3.1	KT 1D	53040166
2.0	4.0	8.0	224	24	22	110	18	5.2	KT 2D	53040167
3.0	6.0	12.0	296	28	31	150	20	11.0	KT 3D	53040168
4.0	8.0	16.0	385	35	40	185	22	19.0	KT 4D	53040206
6.0	12.0	24.0	425	42	40	210	24	27.8	KT 6D	53040207



Galvanized BMM Snatch Blocks

SWL (Tons)	Max load on head-fitting (Tons)	Test Load (Tons)	A (mm)	B (mm)	D (mm)	I (mm)	Max Wire (mm)	Weight (kg)	Product #	Item Number
2.0	4.0	8.0	225	24	110	23	18	3.7	KT 110	53020132
3.0	6.0	12.0	300	28	150	30	18	7.5	KT 150	53040159
4.0	8.0	16.0	330	35	185	33	22	13.5	KT 215	53020161
6.0	12.0	24.0	378	41	210	35	24	19.4	KT 150/180	53020162



Galvanized BMM Trawl Blocks

SWL 5:1 (Tons)	A (mm)	B (mm)	D (mm)	E (mm)	F (mm)	F (mm)	G (mm)	J (mm)	Weight (kg)	Product #	Item Number
4.0	240	100	130	110	85	133	85	10	16.0	K 130	53020163
6.0	305	100	170	140	100	163	125	10	25.0	K 170-6,0	53020164
6.0	355	100	215	132	110	165	164	10	36.5	K 215-6,0	53020165
9.0	405	120	230	150	110	180	170	12	45.0	K 230-9,0	53020166
9.0	420	150	240	190	140	220	170	12	54.0	K 240-9,0	53020167
11.0	475	120	300	170	120	200	240	12	64.0	K 300-11,0	53020168
13.0	580	140	370	240	140	285	285	12	110.0	K 370-1	53020169
15.0	670	180	400	245	210	305	300	15	180.0	K 400-2	53020170

Blue. Available only with roller bearing

Galvanized BMM Blocks

BMM-Blocks must be ordered with:

Either 1 Ball bearing; KT1, KT2 sealed ball bearings; KT3, KT4, KT6 greaseable ball bearings

or 0 Bronze bushing; All bronze bushings are greaseable

Either E Swivel eye

or K Swivel hook. If the block is used with hook as suspension, the SWL is reduced with 50%

or F Swivel fork, KT4, KT6

or S Swivel shackle eye, KT4, KT6

Against extra charge are all blocks available:

B Becket

C Tested with certificate

H Flame hardened sheave

Either 1 Ball bearing; KT1, KT2 sealed ball bearings; KT3, KT4, KT6 greaseable ball bearings

or 0 Bronze bushing; All bronze bushings are greaseable

Either E Swivel eye

or K Swivel hook

or F Swivel fork, KT4, KT6

or S Swivel shackle eye, KT4, KT6

Against extra charge are all blocks available:

C Tested with certificate

H Flame hardened sheave

Either 1 Ball bearing; KT1, KT2 sealed ball bearings; KT3, KT4, KT6 greaseable ball bearings

or 0 Bronze bushing; All bronze bushings are greaseable

Either E Swivel eye

or K Swivel hook

Against extra charge are all blocks available:

C Tested with certificate

P Split pin at locking device

H Flame hardened sheave

Either 1 Ball bearing, greaseable

or 0 Bronze bushing, greaseable

Either E Swivel eye

or S Swivel shackle eye

or F Swivel fork

Against extra charge are all blocks available:

C Tested with certificate

G Galvanized

H Flame hardened sheave



Fairlead Rollers – Aluminum

Solid machined aluminum rollers, bronze bushings and stainless steel shafts

3" Dia. for old style 10" & 12" haulers (7/16" bolt)	66112180
3" Dia. for 12" new style (1/2" bolt)	66112160
4" Dia. for 14" haulers	66112190
5" Dia. for 15" haulers	66112150
5" Dia. for 17" haulers	66112170

3" Replacement Parts

Roller only	66122180
1/2"-20 pin (no sleeve required)	66132160
7/16" pin	66132180
Sleeve	66142180

4" Replacement Parts

Roller only	66122190
Pin	66132190
Sleeve	66142190

5" Replacement Parts

Roller only, 15" haulers	66122150
Roller only, 17" haulers	66122170
Pin for 5" rollers	66132170
Sleeve for 15" haulers	66142150
Sleeve for 17" haulers	66142170

Hauler Head Assembly Replacement Parts



Head Assembly Size	10"	12"	14"	15"	17"
	Item Number	Item Number	Item Number	Item Number	Item Number
Hub, cast bronze	66110530	66110730	66110930	66111030	66111540
Hub, stainless steel	58040716	58040508	58040417	—	—
Hub washer, stainless steel	—	—	—	66111140	66111150
Discs, painted steel, set of 2	58040060	58040061	58040062	58040562	58040518
Discs, stainless, set of 2	66111430	66111510	66111520	—	—
Discs, cast iron, set of 2	—	58040634	58040372	66110960	—
Reinforcing disc, each	—	—	58040123	—	—



Lobster Blocks

Cast aluminum frames and sheaves, stainless steel shafts and bolts, galvanized swivel eye, grease fittings on shaft and swivel eye. Sheaves have stainless steel sleeves with bronze 'Oilite' bushings. Drilled for spray shields. Spray shields not included

5" sheave, 1-1/2" throat clearance	66112240
5" sheave, 2-1/2" throat clearance	66111190
6" sheave, 3-1/2" throat clearance	66112220

Lobster Block Replacement Parts

Block Size	5" x 1 1/2"	5" x 2 1/2"	6" x 3 1/2"
	Item Number	Item Number	Item Number
Front plate	66122240	66121190	66122220
Rear frame	66132240	66131190	66132220
Shaft	66162240	66161190	66162220
Shaft Sleeve	66152240	66151190	66152220
Roller	66142240	66141190	66142220
Eye bolt kit	66202240	66202240	—



Spray Shield

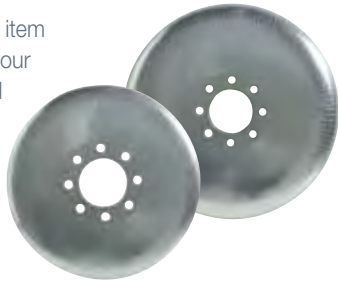
Spray Shields for Lobster Blocks

Spray shield for 5" block	66111180
Spray shield for 6" block	66111170

Complete with stainless steel mounting bracket, fabric reinforced rubber shield and stainless steel bolts. Blocks sold separately



The perfect item
to protect your
hauler head
investment.



Disc Liners

Simply install a pair of liners between your hauler discs and replace the liners as they wear, not your hauler discs

1/16" thick steel, galvanized for corrosion resistance

Inside surfaces of liners scored to avoid line slippage with grooves for improved line grip

10", per pair	46240015
12", per pair	46240034
14", per pair	46240022
17", per pair	46240150



Fairlead Rollers – Stainless Steel

Solid machined stainless steel fairlead rollers with stainless bushings and shafts

Complete with roller bearings, sealed with grease for smooth operation and long life

3" Dia. for 12" haulers	58040018
4" Dia. for 14" haulers	58040484

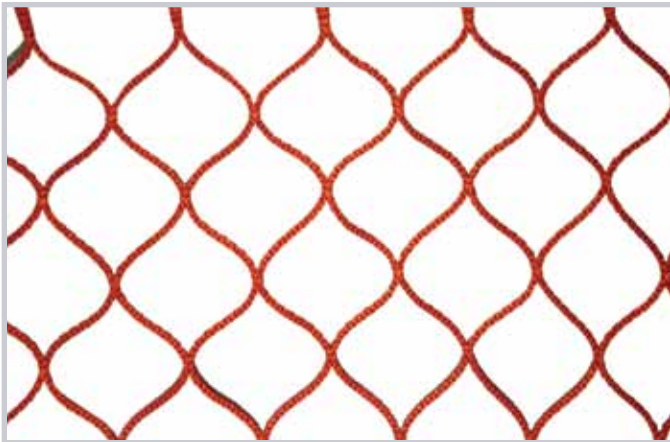
Mounting Brackets

Stainless steel mounting bracket to weld to stainless backing plate

Bracket for 3" roller	66186160
Bracket for 4" roller	66186190

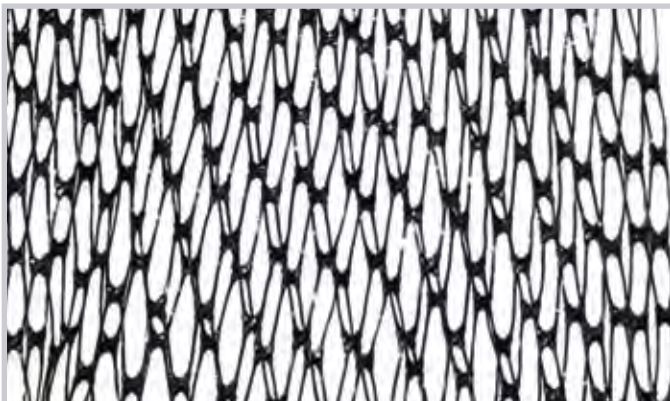
Head Netting








Contact us for other sizes and colors



Vexxar Netting

Contact us for other sizes and colors



 Black 03160012	 Brown 03160239	 Red 03160269	 Orange 03160273
 White 03160013	 Yellow 03160120	 Green 03160200	

 Black 03370013	 Yellow 03370115	 Orange 03370116
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Nylon Seine Netting

Single knotted, double selvage on top and bottom; lengthwise stretched mesh measurement; center to center knot

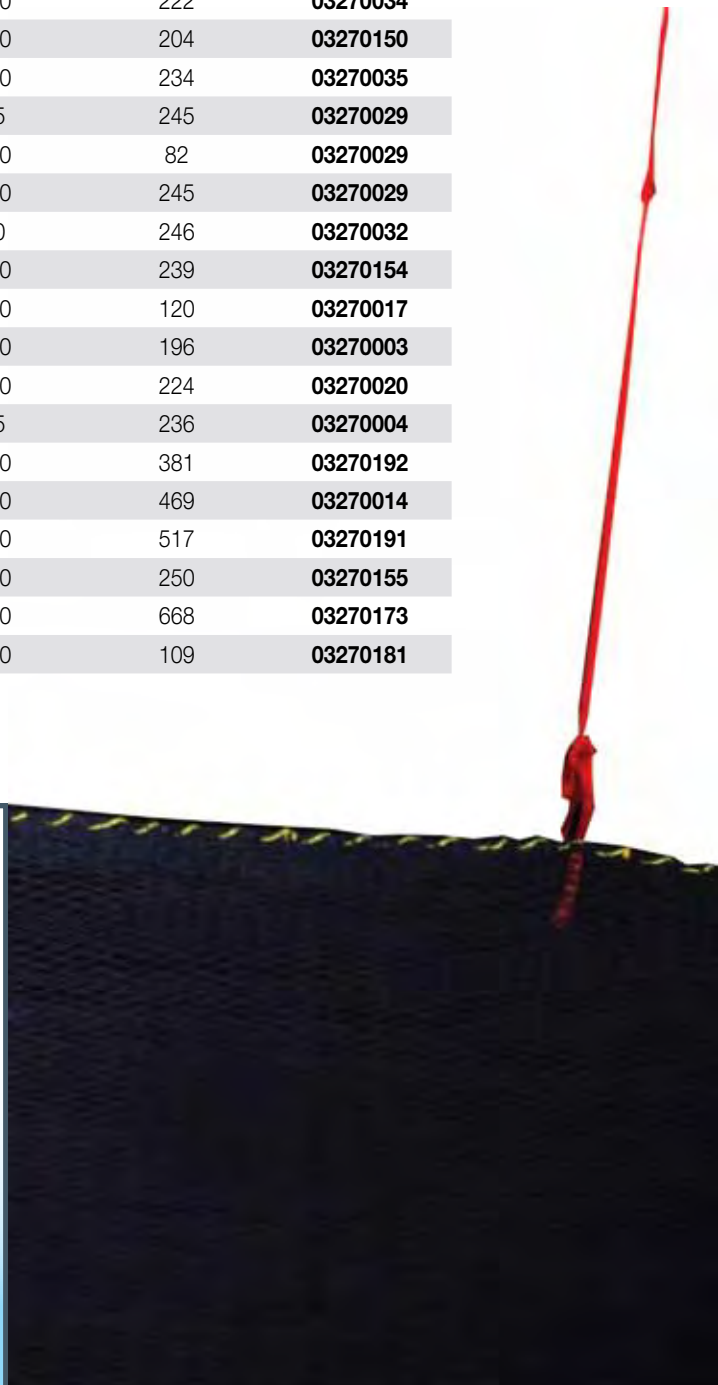
Colour: Dyded black and tarred (Tar pick-up about 15%)

210D/	Mesh (")	MD	FMS	LBS/PC	Item Number
18	3/4	400	100	292	03270055
39	3/4	400	100	806	03270177
15	7/8	400	50	108	03270160
39	7/8	400	50	380	30270062
18	1-1/8	200	200	247	03270031
18	1-1/8	400	100	247	03270175
21	1-1/8	200	150	222	03270034
27	1-1/8	200	100	204	03270150
30	1-1/8	200	100	234	03270035
39	1-1/8	200	75	245	03270029
39	1-1/8	25	200	82	03270029
39	1-1/8	75	200	245	03270029
51	1-1/8	200	50	246	03270032
18	1-1/4	400	100	239	03270154
18	1-1/4	200	100	120	03270017
27	1-1/4	200	100	196	03270003
30	1-1/4	200	100	224	03270020
39	1-1/4	200	75	236	03270004
45	1-1/4	200	100	381	03270192
51	1-1/4	200	100	469	03270014
54	1-1/4	200	100	517	03270191
72	1-1/4	25	300	250	03270155
72	1-1/4	200	100	668	03270173
18	1-5/8	200	100	109	03270181

WE MAKE & REPAIR NETTING!

Mixing state of the art technology with traditional knowledge we manufacture some of the best fishing, custom trawls and fishing nets in the business. We also manufacture nets for sports such as soccer, hockey, golf and a large variety of other rope and netting products made to your specifications

Inquiries Welcome



Gill Nets

Available in many different color and size combinations

Mesh Size (")	Meshes Deep	Twine Size	Color	Length	Item Number
1 ¼"	48	#3	Clear	135 Feet	03150063
1 ½"	48	#3	Clear	135 Feet	03150234
2 ½"	125	#22	White	56 Yards	03150466
2 ½"	150	#14	Ice Blue	56 Yards	03150481
2 ½"	150	#16	White	56 Yards	03150482
2 5/8"	100	#14	Light Green	56 Yards	03150062
2 5/8"	100	#18	Light Green	56 Yards	03150270
2 5/8"	150	#16	Pink	56 Yards	03150431
2 ¾"	40	#16	White	50 Yards	03150388
5 ½"	25	#14	Ice Blue	56 Yards	03150085
5 ½"	25	#16	Ice Blue	56 Yards	03150022
5 ½"	30	#14	Green	56 Yards	03150357
5 ½"	50	#16	Pink	56 Yards	03150476
6"	20	#12	Olive	56 Yards	03150143
6"	20	#12	Green	56 Yards	03150412
6"	20	#12	Pink	56 Yards	03150479
6"	20	#14	Green	56 Yards	03150071
6"	25	#12	Ice Blue	56 Yards	03150397
6"	25	#14	Ice Blue	56 Yards	03150159
6"	25	#16	Pink	56 Yards	03150444
6"	30	#14	Light Green	56 Yards	03150394
6"	30	#16	Ice Blue	56 Yards	03150079
6 ½"	25	#14	Green	56 Yards	03150069
7"	25	#14	Green	56 Yards	03150074
7"	25	#16	Pink	56 Yards	03150443
7 ½"	25	#14	Green	56 Yards	03150078
8"	25	#14	Green	56 Yards	03150082
9"	25	#14	Green	56 Yards	03150451
10 ½"	73	#14	Light Green	100 Fathoms	03150383



Float IMP 2000 Deep Water

Colour	Item Number
Black	21020001
Yellow	21020051



Duraflex Gillnet Leadline

Duraflex Gillnet Leadline is designed specifically for the unique demands of the North Atlantic fishery. It is constructed with a crimped lead alloy core extruded over polyester filament. Parallel lead strands are used in sizes from #150 and up. The composite core is over braided with a sleeve of monofilament polypropylene and high tenacity polyester yarn. Except for #27 and #33, Duraflex nominal sizes are delineated in pounds per 100 fathoms. Duraflex can be identified by it's alternating green, black, and white cover yarns.

	Avg. Weight/Coil (lbs)	Item Number
1/4 #30	60lbs - 1200'	11150017
5/16 #27	81lbs - 900'	11150016
3/8 #33	100lbs -900'	11150018

Hooks



Jensen Sild Twin Pack

The Jensen Sild is the traditional herring lure for all types of sea fishing. Each pack contains two lures

Colour	Weight (g)	Item Number
Green	25	26020155
Green	40	26020157
Yellow	25	26020156
Yellow	40	26020158



Jensen Pirken

The Jensen Pirken is the Rolls Royce of the herring lures for all types of sea fishing. Perch in color

Weight (g)	Item Number
16	26020101
25	26020099
40	26020104
60	26020106



Plastic Baskets

Colour	Size (L)	Product #	Item Number
Orange	44	BAS 44-O	16030073



Bait Jar with Spike Hole

25010083



Stingsilda Bait

Stingsilda is a unique allround bait. Its concentrated weight and balance allows distance and accurate casting. Stingsilda is available in the following weights: 7, 12, 18, 25, 28, 40, and 60 gram. 28 gram and heavier weights are superb for fishing after Cod, Saight and Mackerel. The 18 gram is ideal for Seatrout fishing. The 7 and 12 grams are very suitable for trout fishing in the lakes

Weight (g)	Item Number
7	26020048
12	26020043
18	26020042
28	26020044
40	26020045
60	26020046



Hutler Falmouth Jig

26020187



Norwegen Jig

26020075



Fish Tote

16030018



Youvella/Mustad Circle Hooks

Regular shank circle hooks. Slightly curved with a large ring point. Duratin, kirbed point. 100 per box

Size	Item Number
10/0	25040023
11/0	25040024
12/0	25040025
13/0	25040063
14/0	25040026
15/0	25040084
16/0	25040027



Mustad Circle Hook

Mustad Tuna Circle Hooks are designed for heavy duty deepwater fishing. These hooks are good for hapuku, bass, bluenose, marlin, sharks and tuna 100 per box.

Size	Item Number
12/0	25040143
13/0	25040144
14/0	25040145
15/0	25040146
16/0	25040147



O'Shaughnessy 3407SSD

Classic. Forged, 2 extra strong, ringed, Duratin

Size	Item Number
4/0	25040163
6/0	25040164



Mustad Triple Hook 3549D

Classic. Double Treble

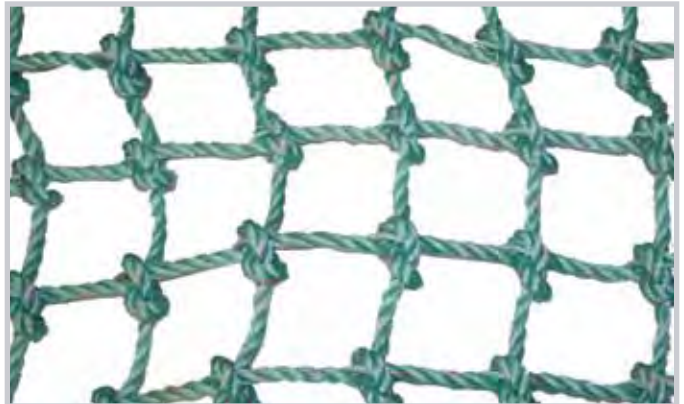
Size	Item Number
10/0	25040042
11/0	25040043



Gaff Hook

Size	Item Number
1/0	25020014
2/0	25020015

**See Tuna Leader Line &
Brownell Braided Gangion
Pages 140-141**



Scallop Chain

Size	Item Number
11mm	09050034
1/2" Mid-Link	09050055
5/8" Thur-Hard	09020021

Scallop Rake Rope Backs

- Manufactured to your specifications
- Contact your local branch for more information



Bag Ties

	62010003
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Chaffers

	Item Number
Split	02050054
Keyhole	02050059



Scallop Bags

Quantity	Item Number
Per 100	64021554
Each	62010001



Scallop Rings

Size (")	Item Number
3 x 5/16	29070003
3 x 3/8	29070004
3-1/2 x 3/8	29070024
3-1/2 x 7/16	29070025
4 x 7/16	29070028



Black Iron Swivels

Size (")	Item Number
1-1/4	34050176



Black Iron Shackles

Size (")	Item Number
3/8	31020083
1/2	31020013
5/8	31020084

Link Closers

- Alloy steel and rubber grip steel tubular handles used to close scallop links. High quality and Performance

28030006



Scallop Links

Sold by the Keg (100lbs each)

Size	Item Number
3/8" x 2"	28080003
5/16 x 2"	28080005



MCC Bolt Cutters

- Alloy steel blades, rubber grip steel tubular handles, toggle joint transforms 50lbs of hand pressure to 4000lbs of pressure on cutting edges of the jaws, adjustment bolt to align cutting heads, blades are drop forged, cutting edges induction quenched

- Maximum hardness of material to be cut HRC40

Size (")	Item Number
30	40110051
36	40110052
42	40110085



Boxes



- Available with or without center leg
- (2) 2" Screw drains per box
- Stacks with or without lid
- 1" expanded polyurethane foam
- Redesigned bottom to reduce forklift damage when dumping
- Four corner drains optional
- Box holds 950-1,000 lbs. of fish, plus ice



- 2" thick polyurethane insulated core sandwiched between the container walls helps fish retain that fresh-caught quality
- Easy to clean
- Acceptable to USDA/FDA/CFIA standards
- Smooth, seamless interior
- 2" screw-in drain plug makes cleaning easy
- Stackable with and without lid
- Box holds 1,700-1,800 lbs of fish, plus ice
- Adjustable "Y" clip tie-down on IB 2145



- Easy-to-clean, medium density polyethylene
- Double-wall construction
- Smooth interior
- 2" thick polyurethane foam insulation
- Stackable 4 high full with or without lid
- Screw in 2" drain plug
- Adjustable clip tie down system secures lid to container, assuring consistent temperature control
- Box holds 1,050-1,100 lbs. of fish, plus ice



- 9.5 cu ft (500 lb capacity) small box
- Fits two 70 litre tote pans perfectly



- 23 cu ft Multi-Purpose Container
- 100% Polyethylene - fully recyclable where facilities exist

Special Order Only

ROPES & TWINES

Netting



PA Braided

- Braided construction
- Good abrasion resistance
- Excellent breaking load
- High elasticity
- Thermo-stabilized for dimension uniformity and stability of the meshes
- Possibility of a special coating upon request



Redline

Well known for its red tracer, it's also known for being the best compact netting in the market. Produced from a high density polyethylene, in a special extrusion process, it is the result of a presence in the market for more than 50 years

- High-tenacity knot
- Excellent abrasion resistance
- Low sand penetration
- Thermo-stabilized for dimensional uniformity and stability of the meshes



PE Twisted

- Twisted construction
- High-density Polyethylene
- Lightweight
- Good abrasion resistance
- Thermo-stabilized for dimensional uniformity and stability of the meshes



PE Braided

- Green color
- High-density of Polyethylene
- Braided construction
- Lightweight
- Good abrasion resistance
- Thermo-stabilized for dimension uniformity and stability of the meshes



Movline Plus

Made with high-tenacity Polyolefin fiber and extruded through a system exclusively developed by COTESI that guarantees this net to have superior abrasion resistance. We recommend the use of MOVLINE PLUS nets when superior abrasion resistance and high-mechanic resistance are demanded

- Superior abrasion resistance
- High-tenacity
- Excellent breaking load
- High-elasticity
- Thermo-stabilized for dimensional uniformity and stability of the meshes

Netting & Rope



D-Tech

High performance netting made of Dyneema® fibre. Strength allows use of twines with smaller diameter. Dyneema when used in trawl nets allows reduction up to 50% on twine diameter, compared to polyamide twines of same breaking strength. Exclusive protective coating ensures excellent abrasion resistance and longer life time. Lighter net leads to significant less drag resistance in water and considerable fuel savings or higher towing speed

- Very high tenacity knot
- Very high resistance compared to twine diameter
- Double knot prevents knot slippage and net distortion
- Exclusive protecting coating
- Thermo-stabilized for dimensional uniformity and stability of the meshes

Mooring Tails 8

When additional elasticity to mooring ropes is required. Tails can provide more elasticity working a shock absorbers. Allows the ship to respond more favourably when subjected to hard conditions such as strong tides and strong winds

Major Features:

- Excellent shock absorbers
- Excellent elongation
- Flexible, non kinking and non rotating

Main Applications:

Mooring tails



PE Mono 8

Major Features:

- Good abrasion and wear resistance
- Good UV resistance
- Good elongation and high creep
- Floating, no water absorption
- Flexible, non kinking and non rotating

Main Applications:

Mooring lines, Towing lines,
Tug boat and barge tie-up lines

Floating line. Made from high tenacity polyethylene. Polyethylene monofilaments plaited rope. Light weight. Good abrasion resistance. Long wearing life. Fine resistance against UV lights. Soft touch. Good elongation and high creep



Titanium

After a long research COTESI has developed a product that joins the best of two worlds: resistance and durability. TITANIUM nets offer the best price/performance ratio as it allows to reduce twine diameter up to 30% at a competitive cost compared to a 100% Dyneema® twine

- Compact twine-REDLINE construction with Dyneema® core
- High tenacity knot
- Thin and soft twines, very easy to handle
- Low sand penetration
- High breaking strength
- Up to 30% reduction on twine diameter
- Thermo-stabilized for dimensional uniformity and stability of the meshes



Movline 8

Major Features:

- High abrasion resistance
- High strength floating line
- No water absorption
- Good UV resistance
- Non kinking and non rotating construction

Main Applications:

Mooring lines, Anchor lines, Tug and Towing lines

Made from high tenacity composite fiber extruded on a custom-built extrusion process. Extremely strong bi-polymer associated to an 8 strands plaited construction. Good wear resistance and exceptional gripping capabilities enhanced by outer fuzzy surface developed in use, also protecting the inner fibers against abrasion



PP Film 8

Major Features:

- Light Weight
- Good elongation
- Good abrasion resistance
- Flexible, non kinking and non rotating

Main Applications:

Mooring lines, Towing lines

A film plaited rope. High level of strength. Over twice the service life compared to other 8 strands plaited polypropylene ropes. Flexible construction assures good and safe handling



D-Tech

Major Features:

- 1/7 of steel wire weight
- Longer life time compared to steel wire
- Low operational costs
- Low elongation
- Flexible, Non kinking and non rotating
- Easy and safer handling
- Easy to splice

Main Applications:

Mooring lines, anchor lines, winch lines, towing and tug ropes

For when high breaking strenghts required. Made from HMWPE fibres and protected by self unique impregnation. Improves abrasion resistance. Using a torque free 12 strands braided construction, stronger than steel wire of the same weight. A proven cost-saving replacement of wire rope in several settings



Movline Plus 12

Major Features:

- High abrasion resistance
- High strength floating line
- No water absorption
- Good UV resistance
- Non kinking and non rotating construction

Main Applications:

Mooring lines, Anchor lines, Tug and Towing lines

Extremely strong high tenacity bi-polymer composite fiber extruded on a custom-built extrusion process. Gripping capability enhanced by the outer fuzzy surface developed in use. Also protecting the inner fibers against abrasion. 12 strands round plait construction improves its already good wear resistance



12 Combo

Major Features:

- Exceptional abrasion and wear resistance on H-bitts
- 18-20% lighter than regular polyester ropes
- Less water absorption than all polyester ropes
- Flexible and smooth, non kinking and non rotating

Main Applications:

Mooring lines, Anchor lines, Tug boat H-Bitt working lines, Barge working lines

Blended rope combines the best properties of polyester fiber with Movline Plus bi-polymer fiber in a unique 12 strands construction. Every single Movline yarn is covered with polyester. Exceptional wearing resistance and strength. Significantly less handling weight than regular polyester ropes



Movster 12

Major Features:

- High abrasion and wear resistance
- 12-14% lighter than traditional combo ropes
- Very low water absorption
- Flexible and smooth handling, non kinking and non rotating

Main Applications:

Mooring lines, Anchor lines, Tie-up lines, Barge working lines

Floating line. Combining the abrasion resistance of polyester the tenacity of Movline bi-polymer fiber. Round plait construction provides soft and flexible handling. Lighter than traditional combo ropes. Very low water absorption. An economic solution when compared to regular polyester ropes



Berthing 12

Major Features:

- Superb handling and touch
- Good abrasion and wear resistance
- Low water absorption
- Flexible, non kinking and non rotating

Main Applications:

Mooring lines, Anchor lines

12 strands round plait line that combines the high tenacity, abrasion and wear resistance of polyester with Spun PP. Very special blend. Unique construction perfectly combines these two fibers. Gives this rope superb handling and touch. Highly appreciated by national marine defence fleets



Movspun 12

Major Features:

- Smoothness and exceptional touch
- Good abrasion and wear resistance
- Floating, no water absorption
- Good UV resistance
- Flexible, non kinking and non rotating

Main Applications:

Mooring lines, Towing lines

Polypropylene floating line. Apperance and construction of old ropes made from natural fibers. Strength, abrasion, wear resistance of synthetic materials. Smooth and fine touch. Hairy surface enhances wear resistance. Light weight. Very easy to handle and splice

Rope



Yellow with Green tracer

3 Strand Polypropylene Rope

This is the lightest and most economical of all synthetic ropes. It floats and is highly resistant to chemicals, but not recommended for critical situations. Available in Yellow with green Tracer and Black. Other sizes, colors and tracers available via Special Order

Dia. (")	Break Strength (lbs)	Approx. lbs/coil	Yellow	Black
3/16	760	14	11110038	11110015
1/4	1050	16	11110036	11110249
9/32	1350	18	11110073	11110021
5/16	1700	22	11110080	11110096
3/8	2450	34	11110079	11110097
7/16	3150	42	11110082	11110147
1/2	3600	58	11110078	11110023
9/16	4400	75	11110042	11110042
5/8	5500	45	11110233	11110024
7/8	10400	80	11110071	11110025
1	12250	107	11110055	11110014
1-1/4	18434	159	11110060	11110060
1-1/2	26876	245	11110058	11110058

Sizes 3/16" - 9/16" sold in 1200' coils; Sizes 5/8" - 1" sold in 600' coils only



Orange

3 Strand Polyethylene Rope

Available in Orange, Green and Blue. Other Sizes, Colors and Tracers are available via Special Order

Dia. (")	Break Strength (lbs)	Green	Orange	Blue
5/16	1540	11140029	11140029	11140046
3/8	2390	11140012	11140012	11140002
7/16	2889	11140050	11140050	11140054
1/2	3388	11140032	11140032	11140003
9/16	4598	11140051	11140051	11140078

Sizes 3/16" - 9/16" sold in 1200' coils; Sizes 5/8" - 1" sold in 600' coils only



Blue

3 Strand Movline



Other Sizes, Colors and Tracers are available via Special Order

Dia. (")	Break Strength (lbs)	lbs/coil	Item Number
3/8	3766	34	11110170
1/2	5523	58	11110171
9/16	7615	75	11110172
5/8	9707	45	11110178
7/8	18251	80	11110346
1	21570	107	11110325

Sizes 3/16" - 9/16" sold in 1200' coils; Sizes 5/8" - 1" sold in 600' coils only



Manila Rope

- Made from hard natural fiber that give it great strength and easy handling
- High abrasion resistance with low stretch and sunlight resistance
- Used in Marine, Scaffolding, Drilling, Agriculture and Landscaping
- Meets weight and tensile requirements Fed. Spec. TR605 Type M

Dia (")	Coil Length	Tensile Breaking Strength	Item Number
1/4	1250	548	11040011
5/16	862	900	11040017
3/8	600	1215	11040016
1/2	600	2385	11040010
5/8	600	3960	11040018
3/4	600	4860	11040015
7/8	600	6930	11040021
1	600	8100	11040009



S-Dan Rope - Jumbo Plastic Reel

- Forged alloy, heat treated hooks
- Forged steel swivel tees, yokes and shackles
- Yellow paint head fitting for quick recognition

Dia (")	Footage (')	Break Strength (lbs)	Item Number
3/16	2125	720	11110355
1/4	1300	1050	11110354
5/16	975	1700	11110357
3/8	630	2450	11110356
1/2	335	3600	11110006
3/4	125	8000	11110358



AmSteel®-Blue

AmSteel®-Blue is a torque-free 12-strand single braid that yields the maximum in strength-to-weight ratio and, size for size, is the same strength as steel—yet it floats. AmSteel®-Blue outlasts wire 3:1, making it an excellent wire rope replacement. It has extremely low stretch and superior flex fatigue and wear resistance. Samthane coating enhances that already high abrasion and cut resistance. For specifications pertaining to the Offshore industry, please go to the Offshore pages

- Durable-outlasts wire
- Similar elastic elongation to wire rope
- Easily inspected or field spliced
- Competition Grade Running Rigging
- Kite/Wakeboard/Waterski Lines
- Trawl and Bridle Lines
- Wire Replacement - Non Jacketed
- High Performance Tug Lines
- Climbing and Rigging Accessories
- Pulling and Stringing Lines



"	lbs/100 ft	Avg. Strength lbs	Min. Strength lbs	ISO/BS EN919 Metric Tonnes	Size Circ. (")	Item Number
1/4	1.6	8600	7700	3.9	3/4	11050194
9/32	2.1	10600	9500	4.8	-	11050413
5/16	2.7	13700	12300	6.2	1	11050414
3/8	3.6	19600	17600	8.9	1-1/8	11050415
13/32	3.8	21000	18900	9.5	1-3/16	11050416
7/16	4.2	23900	21500	10.8	1-1/4	11050402
1/2	6.4	34000	30600	15.4	1-1/2	11050336
9/16	7.9	40500	36500	18.4	1-3/4	11050417
5/8	10.2	52800	47500	24	2	11050293
3/4	13.3	64400	58000	29.2	2-1/4	11050296
13/16	17.0	82000	73800	37.2	2-1/2	11050418
7/8	19.6	90800	81700	41.2	2-3/4	11050402
1	21.8	109000	98100	49.4	3	11050397

NET MANUFACTURING AND REPAIR

Mixing state of the art technology with old-school knowledge we manufacture some of the best fishing, custom trawls and fishing nets in the business. We also manufacture nets for sports such as soccer, hockey and golf

We manufacture our netting to ensure the best quality control and fastest delivery times. We use only high-quality 16-braid, full-core Portuguese twines. The result, a quality, high-performance netting with virtually no sand penetration which has been proven effective by top vessels in the harshest of environments, athletes at play, or securing your cargo on the move



AmSteel Rope

AmSteel® is a nonrotational, Samthane-coated 12-strand single braid that yields high strength and low stretch; equivalent to wire rope with one-seventh the weight. In addition, the product is flexible, spliceable, and resists flex-fatigue and abrasion

- Easily Spliced
- Extremely Lightweight
- Competition Grade Running Rigging
- Kite/Wakeboard/Waterski Lines
- Trawl and Bridle Lines
- Wire Replacement - Non Jacketed
- High Performance Tug Lines
- Pulling and Stringing Lines
- Rodeo/Rigging/Utility
- Low Stretch Support Lines (Wire Replacement)
- Horizontal Lifelines
- Wire Replacement Rope



Size Dia (")	lbs/100 ft	Avg. Strength lbs	Min. Strength lbs	ISO/BS EN919 Metric Tonnes	Size Circ. (")	Item Number
1/4	1.6	7400	6700	3.4	3/4	11050298
5/16	2.7	10500	9500	4.8	1	11050288
3/8	3.6	15500	14000	7	1-1/8	11050252
7/16	4.2	18000	16200	8.2	1-1/4	11050420
1/2	6.4	27500	24800	12.5	1-1/2	11050247
9/16	7.9	34000	30600	15.4	1-3/4	11050221
5/8	10.2	40700	36600	18.5	2	11050248
3/4	13.3	52000	46800	23.6	2-1/4	11050249
13/16	15.8	61000	54900	27.7	2-1/2	11050222
7/8	19.6	74000	66600	33.6	2-3/4	11050223
1	21.8	90000	81000	40.8	3	11050289



Super Dan 8 Strand Mooring Line

Size (mm)	Size (")	Weight (Kg/200m)	Breaking Strength (TON)	Item Number
24	15/16	57.6	10.9	11110608
28	1-1/8	78.8	14.5	11110609
32	1-1/4	102.2	18.5	11110610
36	1-3/8	128.2	23.0	11110611
40	1-1/2	158	28.4	11110612
42	1-5/8	177	30.9	11110373
45	1-13/16	204	35.4	11110313
48	1-7/8	229	39.8	11110314
50	1-31/32	249	42.5	11110315
52	2	268	46	11110258
55	2-1/4	301	50.9	11110248
60	2-3/8	358	60.5	11110216
65	2-1/2	420	70.4	11110394
70	2-3/4	487	82.2	11110317
75	3	559	93.1	11110226



Quantum-8

Quantum-8 is a lightweight, high-strength, torque-free 8-strand rope that utilizes Samson's patented DPX™ yarn, which provides superior abrasion and cut resistance with a higher coefficient of friction other high modulus polyethylene ropes. It floats, grips on a winch or capstan, and has excellent durability because of its superior abrasion and cut resistance. Quantum 8 has an orange urethane coating for high visibility as well as additional abrasion resistance

- Fiber: DPXTM Fiber Technology: A Dyneema®-polyester blend
- Standard Color: orange
- A blend of polyester and Dyneema SK-75 fiber
- Utilizes Samson's exclusive DPX Dyneema fiber yarns on its surface strands
- Floats
- Better abrasion resistance than Proton 8
- Excellent single drum spooling capabilities
- Lightweight flexible handling
- Superior drum compression resistance
- Retains hard round shape during use
- Stout Dyneema HMPE fibner protective cover provides superior wear characteristics
- Class II 8-Strand
- Wire Replacement - Jacketed
- Secondary Mooring Lines
- Barge and Dredge Working Lines
- High Performance Tug Lines
- Wire Replacement Ropes
- General Working Lines
- Heavy Lift Slings
- Rig Tow Lines
- Lowering / Lifting Lines



(")	lbs/100 ft	Avg. Strength lbs	Min. Strength lbs	ISO/BS EN919 Metric Tonnes	Size Circ. (")
1-5/8	60.7	220000	198000	99.8	5
1-3/4	70.4	253000	228000	115	5-1/2
2	92.0	322000	290000	146	6
2-1/8	104	360000	324000	163	6-1/2
2-1/4	116	395000	356000	179	7
2-3/8	130	440000	396000	200	7-1/8
2-1/2	144	485000	437000	220	7-1/2
2-5/8	158	530000	477000	240	8
2-3/4	174	580000	522000	263	8-1/2
3	207	686000	617000	311	9



Cordura Sleeve

Cordura Size (")	Fits Rope Diameter (")	Fits Rope Circumference
2	3/4 - 1	2 1/4 - 3 1/2
3	1 - 1 1/2	3 - 4 1/2
4	1 5/8 - 2 1/8	5 - 6 1/2
5	2 1/4 - 2 5/8	7 - 8
6	2 3/4 - 3 1/4	9 - 10
8	3 5/16 - 4	10 - 12
10	4 1/8 - 4 5/8	12 1/2 - 14



Quantum-12

Quantum-12 is a lightweight, high-strength, floating rope that can grip on a capstan or H-bitt. The patented DPX™ yarn provides superior abrasion and cut resistance, but with a higher coefficient of friction other high modulus polyethylene ropes. The 12-strand construction provides added flexibility, improved handling, and easy splicing. The vivid green Samthane coating provides excellent visibility and additional abrasion resistance. For specifications pertaining to the Offshore industry, please go to the Offshore pages

- Fiber: DPXTM Fiber Technology: A Dyneema®-polyester blend
- Standard Color: green
- Utilizes Samson's patented DPX fiber technology yarns in its surface strands for higher coefficient of friction (better grip)
- Excellent abrasion resistance
- Floats
- Easily Spliced
- Wire Replacement - Non Jacketed
- High Performance Tug Lines
- For use on H-bitts, capstans and winches



"	lbs/100 ft	Avg. Strength lbs	Min. Strength lbs	ISO/BS EN919 Metric Tonnes	Size Circ. (")
1-5/8	50.0	226000	203000	103	5
1-3/4	60.8	265000	239000	120	5-1/2
2	79.4	349000	314000	158	6
2-1/8	89.6	397000	357000	180	6-1/2
2-1/4	100	448000	403000	203	7
2-3/8	112	503000	453000	228	7-1/8
2-1/2	125	562000	506000	255	7-1/2
2-5/8	138	625000	563000	284	8
2-3/4	155	682000	614000	309	8-1/2
3	179	807000	726000	366	9
13/16	17.0	82000	73800	37.2	2-1/2
7/8	19.6	90800	81700	41.2	2-3/4
1	21.8	109000	98100	49.4	3

Whoopie Sling

Whoopie Slings are adjustable lifting slings that have a permanent eye at one end and an adjustable eye at the other end to accommodate a wide range of lifting requirements. The adjustment allows snug lifting control and minimizes the number of fixed-length slings required. The sling is a braided, nontorquing polyester rope with Samthane urethane coating. The coating provides increased sling durability and the color identifies the sling capacity.

- Fiber: polyester
- Standard Color: blue
- Climbing and Rigging Accessories



"	lbs/100 ft	Avg. Strength lbs	Min. Strength lbs	ISO/BS EN919 Metric Tonnes	Size Circ. (")	Item Number
5/8	14.8	16000	14400	7.3	2	64010391
3/4	19.2	21000	18900	9.5	2-1/4	64010391



Quick Splice

In this fast splicing 12-strand single braid construction, high-strength Ultra Blue fiber creates a ropes that is 30% to 35% higher in strength than the equivalent polypropylene construction, giving Quik-Spice up to three times more wear life than polypropylene. The unique fiber surface develops excellent grip capability while adding to the surface wear life. In addition, the Ultra Blue fiber has excellent dielectric properties and is extruded with our SL-5 ultraviolet inhibitor to provide superior resistance to sunlight degradation

- Fiber: Ultra Blue bi-polymer olefin
- Standard Color: blue with red and green
- UV Stabilized
- Easy to splice
- Stronger than standard polypropylene
- Excellent wet and dry abrasion resistance
- Class 1 12-strand splice
- Gillnet Lead and Cork Lines
- Purse Seine Lines
- Hand Lines
- Rodeo/Rigging/Utility



"	lbs/100 ft	Avg. Strength lbs	Min. Strength lbs	ISO/BS EN919 Metric Tonnes	Size Circ. (")
1/4	1.1	1400	1300	0.64	3/4
5/16	1.7	2500	2300	1.1	1
3/8	2.7	3500	3200	1.6	1-1/8
7/16	3.5	4600	4100	2.1	1-1/4
1/2	4.7	6700	6000	3	1-1/2
9/16	6.0	7500	6800	3.4	1-3/4
5/8	7.8	10900	9800	4.9	2
3/4	9.7	13000	11700	5.9	2-1/4
7/8	15.2	16000	14400	7.3	2-3/4
1	21.0	23100	20800	10.5	3
1-1/8	24.5	28600	25700	13	3-1/2
1-1/4	29.0	31300	28200	14.2	3-3/4
1-1/2	41.0	43800	39400	19.9	4-1/2
1-5/8	51.1	55000	49500	24.9	5
1-3/4	60.0	63800	57400	28.9	5-1/2
2	70.0	76300	68700	34.6	6
2-1/8	84.0	88800	79900	40.3	6-1/2
2-1/4	98.0	102000	91800	46.3	7
2-1/2	114	113000	102000	51.3	7-1/2



Ultra-Blue 3 Strand

In this 3-strand construction, high-strength Ultra Blue fiber creates a rope that is 30% to 35% higher in strength than the equivalent polypropylene construction, giving Ultra Blue-3 up to three times more wear life than polypropylene. The unique fiber surface develops excellent grip capability while adding to the surface wear life. In addition, the Ultra Blue fiber has excellent dielectric properties and is extruded with our SL-5 ultraviolet inhibitor to provide superior resistance to sunlight degradation

- Fiber: Ultra Blue bi-polymer olefin
- Standard Color: blue with red and green ID
- Trawl and Bridle Lines
- Purse Seine Lines
- Barge and Dredge Working Lines
- Non-HMPE Tug Lines



Size (")	lbs/100 ft	Avg. Strength lbs	Min. Strength lbs	ISO/BS EN919 Metric Tonnes	Size Circ. (")
1/4	1.1	1700	1500	0.77	3/4
5/16	2.1	2600	2300	1.2	1
3/8	2.6	3700	3300	1.7	1-1/8
7/16	3.1	4600	4100	2.1	1-1/4
1/2	4.5	6100	5500	2.8	1-1/2
9/16	6.3	8400	7600	3.8	1-3/4
5/8	8.0	10600	9500	4.8	2
3/4	10.2	12000	10800	5.4	2-1/4
7/8	15.8	18000	16200	8.2	2-3/4
1	18.6	22600	20300	10.3	3
1-1/8	24.7	26600	23900	12.1	3-1/2
1-1/4	28.9	33000	29700	15	3-3/4
1-5/16	32.5	37000	33300	16.8	4
1-1/2	41.2	42000	37800	19.1	4-1/2
1-5/8	52.6	55000	49500	24.9	5
1-3/4	61.9	65000	58500	29.5	5-1/2
2	73.2	78000	70200	35.4	6
2-1/8	86.6	85000	76500	38.6	6-1/2
2-1/4	101	103000	92700	46.7	7
2-1/2	116	118000	106000	53.5	7-1/2
2-5/8	131	133000	120000	60.3	8
3	168	167000	150000	75.8	9



Super Strong

Super Strong is a firm but flexible double braid of high-tenacity nylon fiber treated with Pro-Gard marine finish, which maximizes wet wear life and strength

- Fiber: nylon core, nylon cover
- Standard Color: white with blue and red ID
- Excellent shock mitigation
- Excellent wet wear
- Remains flexible and won't shrink/harden
- Class 1 Double Braid splice
- High energy absorption/shock mitigation
- Excellent wear resistance
- Highly flexible-easy to handle
- High strength to weight ratio
- Dock Lines
- Anchor Lines
- Trawl and Bridle Lines
- Gillnet Lead and Cork Lines
- Purse Seine Lines
- Secondary Mooring Lines
- Halters/Headgear
- Leads/Longlines/Mecates
- Rodeo/Rigging/Utility
- Heavy Lift Slings
- Winch Working Lines



"	lbs/100 ft	Avg. Strength lbs	Min. Strength lbs	ISO/BS EN919 Metric Tonnes	Size Circ. (")
1/4	1.6	2300	2000	0.99	3/4
5/16	2.6	3400	2900	1.5	1
3/8	3.7	4900	4200	2.1	1-1/8
7/16	5.1	6600	5600	2.8	1-1/4
1/2	6.6	8600	7300	3.7	1-1/2
9/16	9.3	11900	10100	5.1	1-3/4
5/8	12.0	15200	12900	6.5	2
3/4	15.0	18800	16000	8.1	2-1/4
7/8	22.0	29000	24700	12.4	2-3/4
1	26.0	36000	30600	15.4	3
1-1/16	31.0	40700	34600	17.4	3-1/4
1-1/8	36.0	45000	38300	19.3	3-1/2
1-1/4	41.0	52000	44200	22.3	3-3/4
1-5/16	43.5	59300	50400	25.4	4
1-1/2	60.0	75600	64300	32.4	4-1/2
1-5/8	74.0	92000	78200	39.4	5
1-3/4	89.0	113000	96300	48.5	5-1/2
2	106	131000	111000	56.1	6
2-1/8	124	155000	132000	66.3	6-1/2
2-1/4	144	177000	150000	75.8	7
2-1/2	165	202000	172000	86.5	7-1/2
2-5/8	188	230000	196000	98.5	8
2-3/4	212	257000	218000	110	8-1/2
3	238	286000	243000	123	9
3-1/4	294	340000	289000	146	10
3-5/8	356	415000	353000	178	11
4	423	500000	425000	214	12
4-1/4	497	564000	479000	242	13
4-5/8	576	646000	549000	277	14
5	662	732000	622000	314	15



Double Braid Nylon

This nylon double braid will not shrink harden with use and maintains flexibility for excellent handling.

- Fiber: nylon core, nylon cover
- Secondary Mooring Lines

"	lbs/100 ft	Avg. Strength lbs	Min. Strength lbs	ISO/BS EN919 Metric Tonnes	Size Circ. (")	Item Number
1/4	1.5	2000	1700	0.86	3/4	11080006
5/16	2.5	3200	2700	1.4	1	11080017
3/8	3.5	5100	4300	2.2	1-1/8	11080016
7/16	4.3	6600	5600	2.8	1-1/4	11080020
1/2	6.1	8500	7200	3.6	1-1/2	11080005
9/16	9.0	10800	9200	4.6	1-3/4	11080011
5/8	11.5	16400	13900	7	2	11080018
3/4	14.2	20200	17200	8.7	2-1/4	11080015
7/8	21.0	28100	23900	12	2-3/4	11080019
1	24.8	30000	25500	12.9	3	11080004
1-1/8	35.8	43000	36600	18.4	3-1/2	11080094
1-1/4	39.1	51600	43900	22.1	3-3/4	11080007
1-5/16	45.8	57600	49000	24.7	4	11080105
1-1/2	60.0	74000	62900	31.7	4-1/2	11080030
2	104	129000	110000	55.3	6	11080124



3-Strand Nylon Rope

- White 100% high tenacity multifilament nylon fibre, manufactured at full weight with medium firm lay and heat set with steam to reduce hardening in the field, each filament is coated to reduce abrasion and water absorption
- Suitable for windlasses ** Price per foot. 600 ft. per coil**

Size (")	Item Number
1/4	11100005
5/16	11100016
3/8	11100015
1/2	11100004
5/8	11100017
3/4	11100014

Dock Line

Dual braid nylon dock lines with one end prespliced, ideal for applications where high strength along with some stretch for shock absorbency are a must

Size (" x ')	Colour	Item Number
5/8 x 25	Black	66780650
5/8 x 40	Black	66780690
5/8 x 25	White	66780680
5/8 x 40	White	66780720
1/2 x 20	Black	66780730
1/2 x 30	Black	66780770
1/2 x 20	White	66780760
1/2 x 30	White	66780800





- Sizes 3/16"-9/16" sold in 1200' coils only
- Sizes 5/8"-1" sold in 600' coils only
- Design Factor Range 5-12

**Tensile strengths are based on new medium lay ropes tested under laboratory conditions and may vary by 10%. Weights are average and may vary by 5%. Polypropylene specifications are based on the equivalent Canadian Standards (40-GP-13M)

Polysteel® Crab/Lobster Floating Rope

Polysteel™ is the strongest synthetic rope in its class because of our extremely tight tolerances from fiber extrusion to the finished rope. T

- Approximately 40% stronger than polypropylene / polyethylene
- 18% elongation
- Excellent UV protection
- Superior abrasion resistance
- No loss of strength when wet
- Stores wet
- Resists rot and mildew
- Available in a variety of colors
- Custom length and markings also available



Dia (mm)	Dia (")	Tensile Strength (lbf)**	Item Number
6	1/4	1650	11110048
8	5/16	2820	11110115
10	3/8	3700	11110114
11	7/16	4450	11110127
12	1/2	5100	11110107
14	9/16	8360	11110106
16	5/8	10640	11110109
18	3/4	13570	11110112
22	7/8	18780	11110108
25	1	21730	11110113



- Sizes 3/16"-9/16" sold in 1200' coils only
- Sizes 5/8"-1" sold in 600' coils only

**Tensile Strengths are averages for new ropes tested under laboratory conditions and may vary by 10%. Weights are average and may vary by 5%. Pet/Polypro Combo is based on American cordage Institute Standards (CI-3102A)

Esterpro™ Sinking Rope

Esterpro rope is an environmentally friendly lead free sinking rope which is constructed by using continuous filaments of high tenacity Polysteel fiber as a strong inner core and enveloping them with perfectly matched polyester fibers

- Approximately 40% stronger than Polypropylene/Pet Combination Rope
- 18% elongation
- Excellent UV Protection
- Superior abrasion resistance
- No loss of strength when wet
- Stores wet



Dia. (mm)	Dia (")	Approx. weight of 1200 ft coil (lbs)	Tensile Strength (lbf)**	Item Number
5	3/16	14	1071	11110305
6	1/4	20	1450	11110255
8	5/16	28	2450	11110206
10	3/8	47	3720	11110030
11	7/16	65	4700	11110208
12	1/2	72	5000	11110046
14	9/16	93	7950	11110076
16	5/8	128	10950	11110031
18	3/4	152	12850	11110033

Twine



Tarred Marlin Twine

This rugged twine is excellent for net mending and general purpose use. Sold by the pound.

2 ply, 1 lb

07020030

Each spool is 2 pounds



Red



Blue



Orange



Green

Poly-E Flat Braided Twine

This rugged twine is excellent for net mending and general purpose use. Sold by the pound



IMP Gold Braided Nylon Twine

This is an economical general purpose nylon twine. It has excellent durability in marine environments and harsh weather conditions

Size	White
12	07040024
15	07040025
18	07040026
21	07040027

Each spool is 1 pound

Size (mm)	Red	Blue	Orange	Green
1.8	07070092	07070096	07070146	07070148
2.0	07070140	07070134	07070008	07070014
2.5	07070088	07070071	07070007	07070025
3.0	07070087	07070010	07070009	07070002
3.5	07070141	07070142	07070147	07070001
4.0	07070077	07070021	07070011	07070004
4.5	07070107	07070143	07070029	07070003
5.0	07070113	07070144	07070019	07070149
5.5	07070104	07070145	07070012	07070027

Each spool is 2 pounds



IMP Mono Mending Twine

Each spool is 1 pound

Green

07020010

IMP Nylon Mending Twine

Each spool is 1 pound

210/9

07050013



Ashaway Tuna Leader Line (Gangion)

150 lbs	05040065
200 lbs	05040061
300 lbs	05040001
500 lbs	05040115



Brownell Braided Gangion

The braid resists twisting and tangling and will not unlay when cut. Treated to provide adequate stiffness and resistance to abrasion

Size	Item Number
280	05010029
325	05010019
420	05010021
550	05010030
750	07040005

Each spool is 4 pounds



Brownell HT Treated Twine

Brownell's twisted three strand nylon line makes evenly laid heads. HT treatment improves knot holding, abrasion resistance and adds durability under the most severe conditions

Size	White	Green	Brown
12	07030082	07030071	07030077
15	07030032	07030024	07030029
18	07030033	07030025	07030016
21	07030034	07030027	07030017
24	07030035	07030028	07030018
30	07030036	07030087	07030019

Each spool is 1 pound

See Mustad Hooks, Page 95



Nylon Braided Twine White Line

Size (mm)	Item Number	Size (mm)	Item Number
1.5	07040006	3.5	07030106
1.8	07040139	4	07040037
2	07030009	6	07040038
2.5	07030002	8	07030035



Redline Poly Twine

Size (mm)	Item Number	Size (mm)	Item Number
1.2	07070095	3.6	07070097
1.5	07070072	4	07070102
1.8	07070073	4.5	07070107
2.2	07070074	5	07070113
2.6	07070075	5.5	07070094
2.8	07070101	6	07070103
3.2	07070106	7	07070112

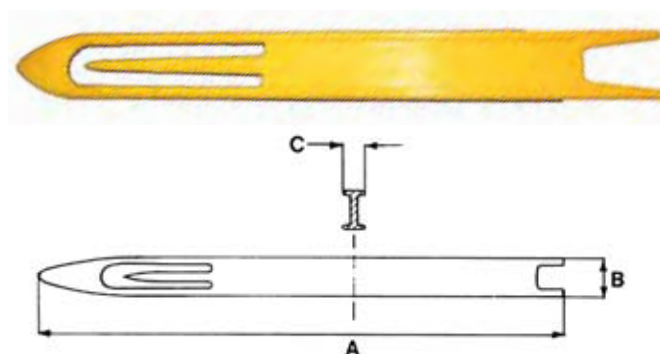


Needles

A (mm)	B (mm)	Product #	Item Number
110	6.5	NNF 06-110	57070004
130	6.5	NNF 06-130	57070051
110	8.5	NNF 08-110	57070052
130	8.5	NNF 06-130	57070007
160	8.5	NNF 08-160	57070053
180	8.5	NNF 08-180	57070054
110	10	NNF 10-110	57070055
120	10	NNF 10-120	57070056
130	10	NNF 10-130	57070057
170	10	NNF 10-170	57070006
200	10	NNF 10-200	57070016
120	12	NNF 12-120	57070058
130	12	NNF 12-130	57070059
170	12	NNF 12-170	57070009
200	12	NNF 12-200	57070060
130	14	NNF 14-130	57070061
145	14	NNF 14-145	57070062
180	14	NNF 14-180	57070026
200	14	NNF 14-200	57070003
130	16	NNF 16-130	57070063
150	16	NNF 16-150	57070064
180	16	NNF 16-180	57070065
200	16	NNF 16-200	57070017
240	16	NNF 16-240	57070008
160	18	NNF 18-160	57070066
200	18	NNF 18-200	57070067
250	18	NNF 18-250	57070068
155	20	NNF 20-155	57070069
175	20	NNF 20-175	57070070
200	20	NNF 20-200	57070015
250	20	NNF 20-250	57070014
200	27	NNF 27-200	57070071
250	27	NNF 27-250	57070012
280	27	NNF 27-280	57070001
310	27	NNF 27-310	57070005
250	32	NNF 32-250	57070072
280	32	NNF 32-280	57070073
310	32	NNF 32-310	57070074
400	32	NNF 32-400	57070075
500	32	NNF 32-500	57070076
250	33	NNF 33-250	57070077
280	33	NNF 33-280	57070078
310	33	NNF 33-310	57070079

B

A



Crowbar

Size (")	A (mm)	B (mm)	C (mm)	Product #	Item Number
12	300	38	8.4	NÅL 12	57070046
14	355	38	8.5	NÅL 14	57070047
16	405	44	8.7	NÅL 16	57070080
20	505	52	9.2	NÅL 20	57070081

BUOYS & FLOATS

Buoys



A Series Buoy

Polyform A-Series Net Buoys

This all-purpose product, with the signature "blue ropehold" has proven itself in the most adverse conditions. Marking gear used in heavy seas is no easy task. That's why more fishermen use Polyform A-Series than all other buoys combined. You name it, ocean, sea, or river, and the A-Series has been there. Put your trust in Polyform's most versatile and well-known product.

- Even wall thickness
- Heavy duty reinforced ropeholds
- Polyform's unique vinyl valve system
- Redesigned ropehold for A-1 through A-7 for improved strength
- Dual valve inflation/deflation system for sizes A-5, A-6 & A-7
- Excellent rafting fender choice
- Offered in seven brilliant high-visibility colors
- Larger Sizes A-5, A-6 and A-7 offered via Special Order

Series	L (")	Dia. (")	Circ. (")	Eye Dia. (")	Buoyancy (lbs.)
A-0	11-1/2	9	28-1/3	0.6	13
A-1	14-1/2	11-1/2	36.1	1	29
A-2	19-1/2	15-1/2	48.7	1-1/8	68
A-3	23	18-1/2	58.1	1-1/8	121
A-4	28	21-1/2	67-1/2	1-1/8	187

	A-0	13010001		A-0	13010002
	A-1	13010034		A-1	13010036
	A-2	13010055		A-2	13010056
	A-3	13010061		A-3	13010062
	A-4	13010067		A-4	13010129
	A-0	13010004		A-0	13010029
	A-1	13010005		A-1	13010053
	A-2	13010006		A-2	13010059
	A-3	13010010		A-3	13010065
	A-4	13010007		A-4	13010138
	A-0	13010033		A-0	13010003
	A-1	13010054		A-1	13010042
	A-2	13010060		A-2	13010057
	A-3	13010066		A-3	13010063
	A-4	13010136		A-4	13010069
	A-0	13010017			
	A-1	13010045			
	A-2	13010058			
	A-3	13010064			
	A-4	13010137			

Series	L (")	Dia. (")	Circ. (")	Eye Dia. (")	Buoyancy (lbs.)
A-5*	27-1/2	36	86-2/5	1-1/4	396
A-6*	34	46-1/2	106-2/5	1-1/2	792
A-7*	41-2/5	54-2/5	130	2	1345

***Special Order Only**



LD Series Low Drag Buoys



LD Series Trailer Buoys

Retrieving a 700-lb. crab pot in 30-ft. seas is the most dangerous job in the world. We tried to make this job a little safer by creating a buoy with less surface drag for faster, safer pick ups as well as easing strain on both crew and gear. Like all good products, it didn't take long before other fishermen saw the value of the LD. Polyform's LD Series is the undisputed world leader in low drag buoys, outselling all others combined

Series	L (")	Dia. (")	Circ. (")	Eye Dia. (")	Buoyancy (lbs.)
LD-1	18-1/2	8-1/2	29-1/2	1	28.6
LD-2	23	12	38	1	68
LD-3	30	14-1/3	45	1	121

	LD-1	13010119		LD-1	13010118
	LD-2	13010073		LD-2	13010074
	LD-3	13010079		LD-3	13010080
	LD-1	13010117		LD-1	13010120
	LD-2	13010027		LD-2	13010077
	LD-3	13010115		LD-3	13010083
	LD-1	66702300		LD-1	13010121
	LD-2	13010078		LD-2	13010075
	LD-3	13010084		LD-3	13010081
	LD-1	13010149			
	LD-2	13010076			
	LD-3	13010082			



Series	Dia. (")	Circ. (")	Buoyancy (lbs.)
CC-1	11	15-1/2	27
CC-2	14	19	55
CC-3	18	24	12
CC-4	21-1/2	27-1/2	187
CC-5	27-1/2	36	374
CC-6	34	45-1/2	770

Polyform CC-Series Spar Buoys

Polyform's CC-Series buoys have the same legendary history as our A Series buoys. Developed shortly after the A Series, the CC has been proven to be a valuable commercial buoy for over 40 years. Because of the flexible center tube, you will see the CC buoy used in a variety of applications. They are used by longliners, fish farmers to add buoyancy to their pens, and more recently by geophysical researchers to tow sonic cannons in search of gas and oil.

- Polyform's unique vinyl valve system
- Even wall thickness for maximum thickness
- Reinforced flexible center tube
- Useful in a variety of applications: Offshore fishing, Oceanic research equipment, Fish farming, Mooring buoy



White



Red

CC-1	13050029
CC-2	13050013
CC-3	13050014
CC-4	13050030
CC-5	13050031

CC-1	13050003
CC-2	13050004
CC-3	13050005
CC-4	13050006
CC-5	13050007
CC-6	13050008



CM Series Mooring Buoys

The CM has been designed to provide the ultimate in strength, durability and versatility, providing increased security to any mooring. The mooring iron is made from 1/2-inch galvanized steel with the additional protection of a vinyl coated eye. A larger eye (4-3/8" diameter) and swivel (1-1/2" diameter along) provides maximum strength. And best of all the CM's soft vinyl surface won't harm boat finishes.

White with Blue Stripe

White, 15" Dia.	13010037
White, 18" Dia.	13010038

Red

Red, 15" Dia.	13010106
Red, 18" Dia.	13010107

Polyguard Dock Moldings

The commercial marine industry demands products that can survive in extreme conditions—Polyform has delivered the toughest, most reliable buoys and fenders for 45 years. Controlled temperature molding, and constant quality control insures even wall thickness throughout the product with no thin spots or voids in critical areas. Structural reinforcements in critical high stress areas, like ropeholds, provide added strength and security. All this, and the finest, marine grade vinyl compounded in-house for consistent quality make Polyform products the most reliable available to the marine industry.

FEATURES OF THE A-5, A-6, A-7, & F-13

“Dual Valve” System

Each of these buoys will now have two valves located on opposite sides of the ropehold in the blue top – the normal Polyform inflation valve with the words “AIR IN” molded next to it, for easy inflation, and a blue colored valve with the words “AIR OUT” molded into the buoy for easy deflation and storage.

Re-Designed Ropehold:

Is more elongated with larger ribs for added strength in the most critical area of the buoy and a symmetrical eye that will now accept a standard size shackle.

VALVE INFORMATION

Polyform's Unique Vinyl Valve

The vinyl valve is molded as a separate piece and fitted to the fender during the molding process. This insures a consistent shape and uniform quality to all our valves.



Polyform Buoy & Fender Color Chart

	Black	Blue	Burgundy	Classic Red	Cobalt	Forest Green	Grey	Navy	Orange	Purple	Sand	Teal	White	Yellow	Green	Saturn Yellow	Red
G	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
NF	●	●	●	●	●	●							●				
HTM	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●		●
F	●	●	●		●	●	●	●			●		●				●
A	●	●							●				●	●	●	●	●
LD	●	●							●				●	●	●	●	●
S		●											●	●	●		●
CC													●				●
CM													●				●



Series	L (")	Dia. (")	Eye Size (")
G-1	13	3-1/2	3/8
G-2	16	4-1/2	1/2
G-3	20	5-1/2	5/8
G-4	23	6-1/2	3/4
G-5	27	8-1/2	3/4
G-6	30	10-1/2	7/8

G Series Utility Fenders

Polyform's G Series fenders have raised the bar for quality and appearance in utility fenders. Subscribing to the philosophy that quality does not have to cost more, included are ribs for extra strength, inflation valves for larger sizes and reinforced ropehold area for long term durability

Black

G-1	66690000
G-2	66690010
G-3	66690020
G-4	66690030
G-5	66690040
G-6	13060117

Forest

G-1	66690060
G-2	13060119
G-3	13060122
G-4	66690090
G-5	66690100
G-6	66690110

Burgundy

G-1	13060029
G-2	13060094

Fender Selection Guide

Boat Size (')	Fender Selection
Up to 10	G-1, A-0
10-20	G-2, G-3, NF-3, S-1, A-0
20-30	G-4, G-5, NF-4, NF-5, HTM-1, HTM-2, F-1, F-02, F-2, F-3, A-1
30-40	G-6, HTM-3, HTM-4, F-4, F-5, F-6, A-2, LD-2
40-50	HTM-4, F-6, A-3, LD-3
50-60	F-7, F-8, A-4
60-70	F-8, F-10, F-11, A-5
70-Up	F-11, F-13, A-5, A-6, A-7

G-3	13060100
G-4	66690150
G-5	13060112
G-6	66690170

White

G-1	13060001
G-2	13060032
G-3	13060095
G-4	13060101
G-5	13060107
G-6	13060113

Blue

G-1	66700970
G-2	13060070
G-3	13060098
G-4	13060199
G-5	13060110
G-6	66700110



Ribbed Centre Hole HTM Fenders

The HTM (hole through middle) fender provides maximum protection in a wide variety of applications. Vertical ribs for extra protection, reinforced tube ends to prevent lines from being pulled through if the fender gets caught in a tight spot, and extra wall thickness to resist punctures and tears are just a few of the features this high quality fender offers. 5/8" centre hole tube diameter

Series	L (")	Dia. (")	Eye Size (")
HTM-1	15	6	28-1/w3
HTM-2	20	8	36.1
HTM-3	25	10	48.7
HTM-4	34	12	58.1

Black

HTM-1	66700680
HTM-2	66700690
HTM-3	13060179
HTM-4	13060053

Forest

HTM-1	66700720
HTM-2	13060184
HTM-3	66700740
HTM-4	66700750

Burgundy

HTM-1	66700760
HTM-2	66700770
HTM-3	66700780
HTM-4	66700790

White

HTM-1	13060051
HTM-2	13060035
HTM-3	13060036
HTM-4	13060052

Blue

HTM-1	13060156
HTM-2	13060157
HTM-3	13060158
HTM-4	13060159



Polyform
U.S.



Series	L (")	Dia. (")	Eye Dia. (")
F-1	25	6	.7
F-2	35	9	.9
F-3	30	9	.9
F-4	41	9	.9
F-5	30	12	1.0
F-6	43	12	1.0
F-7	41	15	1.0
F-8	58	15	1.0
F-10	50	18-1/2	1.0
F-11	57	24	1.1
F-13	77	32	1.2

White

F-1	13060012
F-2	13060015
F-3	13060016
F-4	13060017
F-5	13060018
F-6	13060019
F-7	13060020
F-8	13060021
F-10	13060127
F-11	13060013
F-13	13060041

Blue

F-1	13060194
F-2	13060010
F-4	13060014
F-5	13060022
F-7	13060025
F-8	13060191
F-10	13060127
F-11	13060178
F-13	13060155

Polyform F-Series Commercial Fenders

Polyform has been producing this fender for over 40 years and there is no comparison when it comes to quality, range of sizes and protection offered. The F-Series fender has offered protection to the finest yachts and fishing vessels all over the world. Why? Because the owners and the captains of these prestigious boats know that they can rely on Polyform's F-Series to offer the size, strength and dependability to protect their vessel from the rigors of the sea and weather.

- Wide range of sizes to suit any vessel
- Unique vinyl valve seals securely
- Even wall thickness
- Multiple ribbed reinforced ropeholds
- Twin-eye design for vertical or horizontal use
- Designed for use in permanent unprotected moorings, pilings, locks and concrete walls

Polyform
U.S.



Water Ski Slalom Buoys

High quality PVC with strong ropehold

Green, 9" Dia.	13010124
Red, 9" Dia.	13010096
Yellow, 9" Dia.	13010125

Polyform
U.S.



Fender Covers

Fender covers should be as tough as the fenders they protect. Polyform uses a premium grade yarn that is resistant to sunlight and abrasion

5-1/2" - 6" Dia., 15" - 23" L	66690250
8" - 9" Dia., 20" - 27" L	66690260
10" - 10-1/2" Dia., 26" - 30" L	66690270
12" Dia., 34" - 43" L	66690280
15" Dia., 50" - 58" L	66690290

Polyform
U.S.



Buoy Shackles







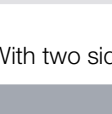
Specifically designed for use with Polyform buoys. The PVC bushing insert distributes load evenly over the entire ropehold area for maximum performance and longevity. Breaking strength tested at 5,000 lbs.

1-1/4" galvanized, Model 50	31020130
1-1/4" stainless steel, Model 51	66702150
1" galvanized, Model 52	31020156
1" stainless steel, Model 53	66702170




Trawlfloats

With a centre hole designed for general trawling

	Colour	Dia. (mm)	Buoyancy (g)	Max. Depth (m)	Working Depth (m)	Weight (g)	Product #	Item Number
	Red	200	3160	450	400	860	PP 551	21020066
	Red	200	2470	1300	1200	1500	PP 508	2120004
	Yellow	200	2470	1300	1200	1500	PP 577	21020049
	Orange	280	8400	670	600	2620	PP 446	21020067
	Red	280	7500	1050	950	3460	PP 511	21020047
	Yellow	280	7500	1050	950	3460	PP 511	21020047
	White	360	17600	900	800	7145	PP 714	03320857


With two side-holes for easy lacing

	Colour	Dia. (mm)	Buoyancy (g)	Max. Depth (m)	Working Depth (m)	Weight (g)	Product #	Item Number
	Orange	200	3480	450	400	850	PP 356	21030006

With a centre hole, constructed from a special blend of plastics

The latest generation of deep-water floats with high impact strength



	Colour	Dia. (mm)	Buoyancy (g)	Max. Depth (m)	Working Depth (m)	Weight (g)	Product #	Item Number
	White	200	2330	1900	1700	1760	PP 1060	21020048



Buoy Marker MB5XX

Size (")	Item Number
5 x 11	13040009
6 x 14	13040006



Popcorn Float

#	Dia. (")	Buoyancy (lbs)	Item Number
17	6-1/2 x 7-1/2	7	13020008

Center Hole 1"



Popcorn Float with Wire

#	Dia. (")	Buoyancy (lbs)	Item Number
5	9 x 8	14	13020016
6	6-1/2 x 7-1/2	7-1/2	13020013



Float

#	Dia. (")	Buoyancy (lbs)	Item Number
4	14 x 6-1/2	13	13020031



Bouy

#	Dia. (")	Buoyancy (lbs)	Item Number
13	6-1/2 x 13	16	13020036



Pilot Super Color Marker

Marks on any surface! Refillable for added value. The industrial marker of choice.

Available in Blue, Black and Red. Please specify when ordering

Colour	Item Number
Red	13010042
Blue	13010043
Black	13010044



Super Color Marker Refills

Refill ink cartridges for Pilot Super Color Marker

Available in Blue, Black and Red. Please specify when ordering

Colour	Item Number
Red	13010045
Blue	13010046
Black	13010047

HARDWARE & ACCESSORIES

Anodes



Do-Nut Shaft Anodes – Zinc

Shaft (")	Item Number
7/8	35020053
1	35020040
1-1/8	35020041
1-1/4	35020044
1-1/2	35020045
1-3/4	35020043
2	35020042
2-1/4	35020026
2-1/2	35020013
2-3/4	35020056
3	35020007
3-1/2	35020094



Shaft Collar Anodes – Zinc

Shaft (")	Item Number
3/4	35020027
7/8	35020028
1	35020019
1-1/8	35020022
1-1/4	35020021
1-3/8	35020024
1-1/2	35020020
1-3/4	35020023
2	35020025



Round Rudder Anodes – Zinc

Dia. (")	Item Number
2-3/16	35020057
3-3/4	35020001
5	35020002

Install the complete unit once then just replace the anode



Hull Anodes – Zinc

9-3/4" x 4-1/2" zinc hull anode with bronze mounting plate

Mounting plate includes through hull stud for easy grounding connection

No more refastening anodes to the hull, just install the complete unit once and replace the anode as required

Complete unit, 6 lbs.	66416810
Replacement anode, 3 lbs.	66416820



Large Hull Anodes

Streamlined with 4 tabs for welding or bolting

Zinc with steel tabs – 24 lbs. Type Z22	35020003
--	-----------------

Aluminum with steel tabs – 11-3/4 lbs. Type AZ22	66416890
14" x 6-1/2" x 1-1/2" brick	



Hull Anodes

Complete with tabs for welding or bolting

Zinc with aluminum tabs – 10-1/2 lbs. Type Z3-A	35020003
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Zinc with steel tabs – 10-1/2 lbs. Type Z3	35020005
--	-----------------

Aluminum with steel tabs – 5-1/4 lbs. Type AZ3	66416880
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12" x 3" x 1-1/4" brick



Teardrop Hull Anodes

Zinc with steel tabs – 5 lbs. Type Z4T	35020006
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8" x 3" x 1-1/2"

Aluminum with steel tabs – 2-1/4 lbs. Type AZ4T	66416870
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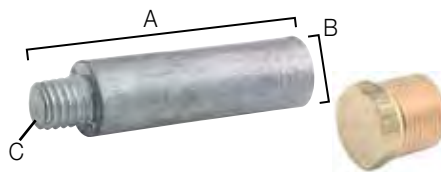
9" x 3" x 1-3/8"



Tear Drop Anodes – Zinc

For rudder or hull

1-3/4" x 3-1/2"	66416790
2" x 5-1/4"	66416800



Engine Anodes

1-3/4" x 3/8" x 5/16" UNC	66416520
2" x 1/2" x 3/8" UNC	66416460
2" x 3/8" x 3/8" UNC	66416470
1" x 5/8" x 7/16" UNC	66416480
2" x 5/8" x 7/16" UNC	66416490
3" x 5/8" x 7/16" UNC	66416400
2" x 3/4" x 1/2" UNC	66416420
3-5/8" x 3/4" x 1/2" UNC	66416440

Measurements listed are A x B x C shown above

Brass Plugs for Engine Anodes

3/8" MNPT x 3/8" UNC	66416500
1/2" MNPT x 7/16" UNC	66416510
1/2" MNPT x 5/16" UNC	66416530
3/4" MNPT x 1/2" UNC	66416540

Plates & Lifters



Deck Plates – Cast Bronze

Cover has o-ring seal for watertightness. Polished finish. Drilled and countersunk for 3/16" fasteners

3" Opening	35190032
4" Opening	35190017



Beckson

Deck Plates – ABS

White watertight hand access holes with neoprene O-ring seal

4" Dia. with screw out lid	35190104
6" Dia. with screw out lid	66521530
6" Dia. with pry out lid	66521530
8" Dia. with pry out lid	35190089



BOMAR BOWAL

Deck Plate – Poly carbonate

White with recessed T-handle lock and O-ring seal

10" Dia.	66521540
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Bronze Scuppers

2" Complete	66740000
3" Complete	35190045
4" Complete	66740070

Replacement Covers

2"	66740010
3"	66740060
4"	66740080



Flat Top Deck Plates

Bright white Sarlon resin for lifetime durability and UV resistance. Unique plate attachment hides fastener holes. In laid seal to ensure a tight seal every time. Low profile

4"	66522790
6"	66522800
8"	66522810



SPAR

Deck Plates – Polypropylene

UV-stabilized watertight access holes with O-ring seal. Dimensions shown are clear inside dimensions

4" Diameter

Pry out lid, white	66521300
Pry out lid, grey	66522500
Twist-n-lock lid, white	66521400
Twist-n-lock lid, grey	66522600

6" Diameter

Pry out lid, white	66521310
Pry out lid, grey	66522520
Twist-n-lock lid, white	66521410
Twist-n-lock lid, grey	66522620

8" Diameter

Pry out lid, white	66521320
Pry out lid, grey	66522540
Twist-n-lock lid, white	66521420
Twist-n-lock lid, grey	66522640

10" Diameter

Pry out lid, white	66521330
Pry out lid, grey	66522560



X-Large Flush Hatch Lifter – Brass

Burnished cast brass, with a full size handle for lifting heavy hatches. 4" x 4-3/4". Countersunk for #8 screws

66722590



Flush Hatch Lifter– Brass

2-1/4" x 3" burnished brass

06040023



Flush Hatch Lifter – Stainless Steel

316 stainless steel. 2-1/4"W x 3"L x 3/8"D. Countersunk for #6 screws

35010055



Flush Hatch Lifter –Stamped Stainless

2-1/4" x 3" stamped stainless steel, light duty

66722610



Ventilator – Stainless Steel

No more dampness, mildew or condensation. Keeps your boat dry 365 days a year. Removes stale air with vacuum force. Can be closed from inside in a storm. A very effective vent to minimize rot, rust and mildew. Sturdy, stainless steel top. 8" diameter outside; 3" diameter opening

35560023

Cleats, Plugs, Shovels and Wheel Chocks



Puller Rope Grab

1/2" – 3/4"

63110547



Continuous Hinge

Sold in 6 foot lengths. Polished stainless steel. Drilled and countersunk

1-1/2" wide

66510000

2" wide

66510010



Tee Handle Drain Plugs

74-032N: 1" Dia.

66740320

fits drain tube 1 Dia. x 2-7/8

74-042N: 1 1/4" Dia.

66740420

fits drain tube 1-1/4 Dia. x 3



PERKO

Oar Locks – Chrome Plated

Oar Lock Horn

1/2" straight shank, pair

66730230

Top Mount Oar Lock Socket

For 1/2" straight shank, pair

66730220

Side Mount Oar Lock Socket

For 1/2" straight shank, pair

66730240



Drain Tubes

For thru-transom or other installation. Solid brass. Use snap handle or tee handle plugs shown below

1" Dia. x 2-7/8"

66740300

1-1/4" Dia. x 3"

66740400



Garboard Drain Plug

Cast bronze

1/2"

35160007



Garboard Drain Plug

Cast bronze. Square socket plug fits flush when inserted. Comes with plated wrench

1"

35160012

1" spare plug

66740230



Snap Handle Drain Plugs

Brass construction

1" Dia.

66740310

fits drain tube

1 Dia. x 2-7/8

1-1/4" Dia.

35160040

fits drain tube

1-1/4 Dia. x 3



Wheel Chock

Designed by IMP Group

Wheel Chock

35140091



Heavy Duty Bollards

Manufactured by IMP Foundry



Cleat B-101

35140096

Cleat B-1

35140063

Cleat B-2

35130006

Cleat B-3

35130007

Cleat B-4

35140099

Cleat B-5

35140098

Cleat B-6

35140075



Heavy Duty Cleats

Manufactured by IMP Foundry

Cleat C-2

35130008



Remco Shovels

Tough. Lightweight. Hygienic. Molded in one piece from FDA-compliant polypropylene, it is available in two sizes and many colors. A workhorse for moving bulk materials and an integral part of any professional cross-contamination containment program. The Remco shovel, initially developed over 30 years ago, doesn't just meet the standard, it is the standard.

40260010



Heavy Ship or Dock Cleats – Galvanized

8"	66720940
10"	66720950
12"	66720960



Open Base Cleats – Galvanized

4"	35130010
5"	35130011
6"	35130012
8"	35130013
10"	35130001
12"	35130002
14"	35130043



Open Base Cleats – 316 Stainless Steel

4"	35140008
5"	35130070
6"	35140010
8"	35140012
10"	35140074

Files



Nicholson®

4" File

Type	Product #	Item Number
Flat 2nd Cut	#03401	63050059
Flat Smooth	#03434	63050060
1/2 Round Bastard	#04695N	63050061
Round Bastard Cut	#11526N	63050062
Warding 2nd Cut	#16540	63050063
Round Bastard	#11526	63050065
Flat Bastard	#03367	63050066
1/2 Round 2nd Cut	#04729	63050067
1/2 Round Smooth	#04762	63050068
Square Smooth	#924782	63050071
Mill Smooth	#08306	63050197

6" File

Type	Product #	Item Number
1/2 Round 2nd Cut	#04828N	63050073
Flat 2nd Cut	#03500	63050074
Round 2nd Cut	#11748N	63050075
Warding Smooth	#16729	63050076
1/2 Round Bastard K/F	#04795N	63050077
Mill Bastard	#08354	63050078
Round Bastard	#11716	63050079
Round Smooth	#11781N	63050080
Warding 2nd Cut	#16696	63050081
Flat Bastard	#03467	63050082
Flat Smooth	#03533	63050083
1/2 Round Smooth	#04861	63050084
Square Smooth	#924788	63050085
Slim Taper	#14224	63050086
Triangular Regular	#13807	63050126
Slim Taper	#14224	63050143
Square 2nd Cut	#13000	63050144
File Hand Smooth	#05804	63050198

8" File

Type	Product #	Item Number
Flat Bastard	#03566	63050087
Flat 2nd Cut	#03599	63050088
1/2 Round 2nd Cut	#04927	63050089
Mill Smooth	#08560	63050090
Slim Triangular Taper	#14290	63050094
Warding 2nd Cut	#16794	63050095
Utility Supershear VIX	#21016N	63050096
9 Mill 2nd Cut	#0852	63050099
Flat Wardings	#16827	63050101
Flat Smooth	#03632	63050102
1/2 Round Bastard	#04896N	63050103
Rigid Type Flat Utility	#20239	63050124
Round Smooth	#11969	63050092
1/2 Round Smooth	#04960	63050098
Round 2nd Cut	#11936	63050104
Smooth Square	#13147	63050203
File Hand Smooth	#05804	63050198

12" File

Type	Product #	Item Number
Flat 2nd Cut	#03797	63050041
Flat Bastard	#03764	63050044
Flat Smooth	#03830	63050045
1/2 Round 2nd Cut	#05125	63050046
1/2 Round Smooth	#05158N	63050047
Mill Smooth	#08799	63050048
Curved Flat Utility	#20547	63050053
Mill Bastard	#08737	63050057
Utility SUPER	#21118	63050043
Round 2nd Cut	#12166	63050050
Lathe Hand Fin	#07688	63050056
Round Smooth	#12199	63050058

10" File

Type	Product #	Item Number
1/2 Round 2nd Cut	#05026	63050025
Flat Utility	#07917	63050031
Mill Bastard	#08642	63050032
Round Bastard	#12019	63050033
Flat Bastard	#03665	63050036
1/2 Round Smooth	#05059	63050037
Warding 2nd Cut	#16891	63050122
Rigid Type Flat Utility	#20291	63050125
Utility Supershear VIX	#21067	63050027
Lathe Fine	#07842	63050030
Round 2nd Cut	#12051	63050034



Drill Bits



HSS Jobber 150ASP Drill Bit

Bit Type	Item Number	Bit Type	Item Number	Bit Type	Item Number	Bit Type	Item Number
45771 'A'	63020171	45674 #4	63020128	45711 #41	63020160	45609 9/64"	63020099
45772 'B'	63020172	45675 #5	63020129	45712 #42	63020161	45610 5/32"	63020100
45773 'C'	63020173	45677 #7	63020131	45713 #43	63020162	45611 11/64"	63020101
45774 'D'	63020174	45678 #8	63020132	45714 #44	63020163	45612 3/16"	63020102
45776 'F'	63020175	45679 #9	63020133	45715 #45	63020164	45613 13/64"	63020103
45777 'G'	63020176	45681 #11	63020135	45718 #48	63020167	45615 15/64"	63020105
45778 'H'	63020177	45685 #15	63020010	45719 #49	63020168	45616 1/4"	63020107
45779 'I'	63020178	45691 #21	63020144	45720 #50	63020169	45617 17/64"	63020108
45781 'K'	63020180	45693 #23	63020146	45722 #52	63020170	45619 19/64"	63020110
45784 'N'	63020183	45694 #24	63020147	44723 #53	63020087	45620 5/16"	63020111
45785 'O'	63020184	45695 #25	63020148	44724 #54	63020088	45621 21/64"	63020112
45787 'Q'	63020186	45697 #27	63020150	44725 #55	63020089	45623 23/64"	63020114
45788 'R'	63020187	45698 #28	63020003	44726 #56	63020090	45624 3/8"	63020115
45791 'U'	63020190	45700 #30	63020152	44728 #58	63020093	45627 27/64"	63020119
45792 'V'	63020191	45701 #31	63020153	44601 1/64"	63020065	45628 7/16"	63020120
45793 'W'	63020192	45704 #34	63020155	45604 1/16"	63020094	45630 15/32"	63020122
45794 'X'	63020193	45705 #35	63020156	45605 5/64"	63020095	45631 31/64"	63020123
45795 'Y'	63020194	45706 #36	63020157	45606 3/32"	63020096		
45671 #1	63020125	45709 #39	63020158	45607 7/64"	63020097		
45672 #2	63020126	45710 #40	63020159	45608 1/8"	63020098		

Knives



Stainless Blade, Plastic Handle HK 1155

27080239



Stainless Blade, Wood Handle, HK 1047

27080189



Stainless, Plastic, HK 1145

27080240



Stainless, Wood, HK 1038

27080222



Stainless, Plastic, HK 1135

27080241



4" Outdoor Scout Knives

Ribbed plastic handle with finger guard for good grip even in wet conditions

Plastic belt sheath with handle strap and buckle included

Colour	Item Number
440 Blue	66701270
440 Green	66701280
440 Red	66701290
440 Yellow	66701300
440 Black	66701310



Stainless, Plastic, HK 825

27080242



Stainless, Wood, HK 1050

27080177



Stainless, Wood, HK 822

27080243



Stainless, Wood, HK 1040

270800244



4" Outdoor Sporting Knives



4" Serrated, Clippe

27010045



4" Smooth, Clipper #860

27010400



Best quality carbon steel blade

4" Smooth Allround

27010039





Dexter-Russell Green River Knife

27030001



Dexter-Russell Boning Knife

27020002



Dexter-Russell Boning Knife #2

27020009



Victorinox Twine Knife #40560

27080086



Victorinox Knife #40568 Black

27080138



Dalley Icel Pocket Knife 3 1/2"

27010259



Grohmann Survival Knife R4S

27010312



Grohmann Knife

27010425



Scallop Knife 518

27010098



Dexter-Russell Fillet Knife

27040041



Premier Splitting Knife B758 P

27010385



Net Knife S151SC-GWEWS

27020014



Premier Bait Knife B6412

27010373



Steel Diamond 12 #TOP-003ST-1

27150070



Stone Sharpening 110 7X2X1 #09

27150010

MARINE SAFETY

Life Rafts



RFD Surviva Liferrafts

The Surviva Liferrafts range from the compact 4 person up to a 25 person. In this way RFD can offer the highest standard of marine safety in any context from the private cruiser to the most demanding application in commercial shipping and the offshore industry as well as military vessels

Features:

- High frequency welded polyurethane fabrics
- High visibility orange canopy with reflective tape
- Rescue Quoit and Line
- All around lifeline
- Boarding ramp
- Boarding handles
- Water pockets (to add greater stability)
- Rainwater catching system
- Ventilation/Lookout port
- Self-erecting canopy
- Drycell battery sealight
- Emergency survival pack
- Painter lashing point
- Wrap over leather door
- Sea Droque (sea anchor)
- CCG Approved
- Righting ladder
- S.O.L.A.S. Approved



Inflated L x W x H (")	Container L x Dia. (")	Persons	Case Type
80 x 68.5 x 43.7	45.5 x 18.2	4	Fiberglass
95 x 82 x 44	50 x 20.3	6	Fiberglass
108 x 93.5 x 48.5	50 x 20.3	8	Fiberglass
105 x 105 x 57.5	54.8 x 22.2	10	Fiberglass
115 x 115 x 57.5	54.8 x 22.2	12	Fiberglass
130 x 130 x 63	60.5 x 22.2	16	Fiberglass
146 x 146 x 66	64.5 x 24.2	20	Fiberglass
162 x 162 x 74.8	64.5 x 24.2	25	Fiberglass

All dimensions are closest approximations to 1/10". All items contains CCG Approved "A" pack: 6 hand flares, 2 parachute rockets, rations and water. SOLAS Approved "A" pack: 6 hand flares, 4 parachute rockets, 2 smoke flares, radar deflector, rations and water

Ferryman Platform Rafts

The 37 and 75 person Ferryman Platforms are supplied with an "E" type emergency pack and equipment comprising: Sea anchor, buoyant knives (2), quoit and line (2), paddles (2), sponges (2), bellows, bailer, handflares (2), flashlight, whistle and first aid kit

Features:

- High frequency welded polyurethane fabrics
- High visibility orange canopy with reflective tape
- Emergency survival pack
- All around lifeline
- Boarding ramp
- Sea Drogue (sea anchor)
- Rescue quoit and line
- Painter lashing point
- Boarding handles
- CCG Approved
- Water pockets (to add greater stability)



Inflated L x W x H (")	Container L x Dia. (")	Persons	Case Type	Pack
80 x 68.5 x 43.7	45.5 x 18.2	37	Fiberglass	E
95 x 82 x 44	50 x 20.3	75	Fiberglass	E

RFD Seasava Liferafts

The RFD Seasava Plus Liferaft is specially designed for ocean going use and is therefore ideal for the offshore leisure craft, racing and fishing markets, where quality and durability are paramount. The RFD rafts are manufactured from more durable polyurethane fabric and are available in either a fiberglass container or a soft-sided valise

Features:

- High frequency welded polyurethane fabrics
- High visibility orange canopy with reflective tape
- Rescue Quoit and Line
- All around lifeline
- Boarding ramp
- Boarding handles
- Water pockets (to add greater stability)
- Self-erecting canopy
- Drycell battery sealight
- Emergency survival pack
- Painter lashing point
- Wrap over leather door
- Sea Drogue (sea anchor)
- CCG Approved



Valise or Container

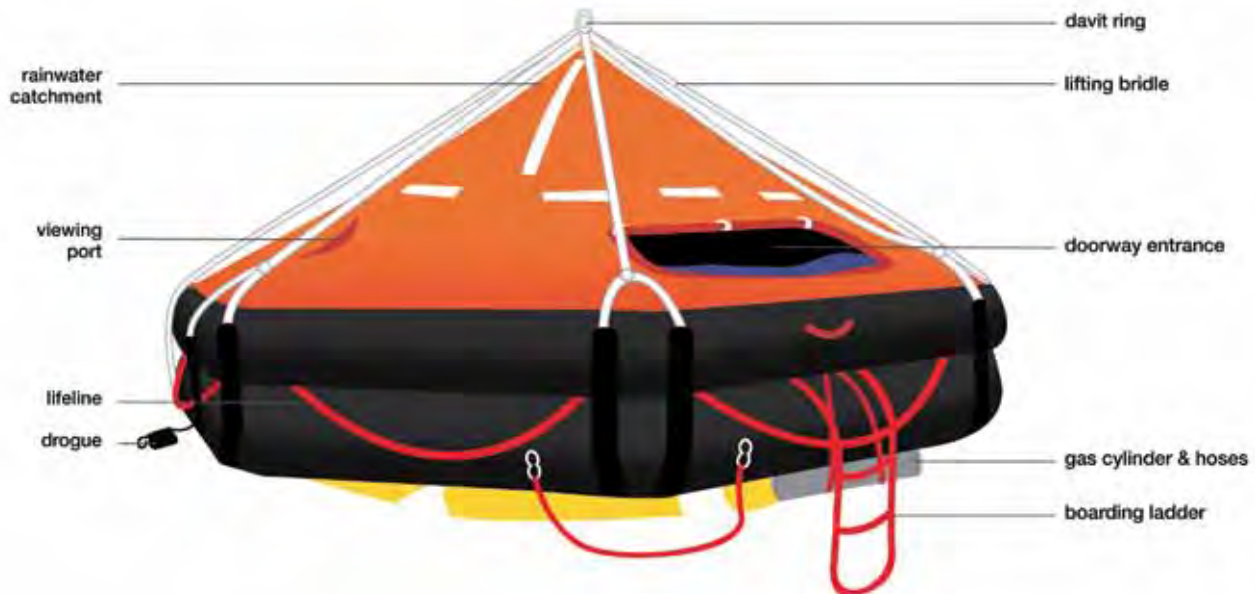
Size Folded (")	Size Open (")	Persons	Case Type
30 x 11 x 15.25	83 x 44	4	Fiberglass
34 x 20 x 11	95 x 44	6	Fiberglass
30 x 12 x 15.25	83 x 44	4	Valise
30 x 20 x 11	95 x 44	6	Valise
30 x 13.5 x 16.5	108 x 48	8	Valise

Surviva Liferaft

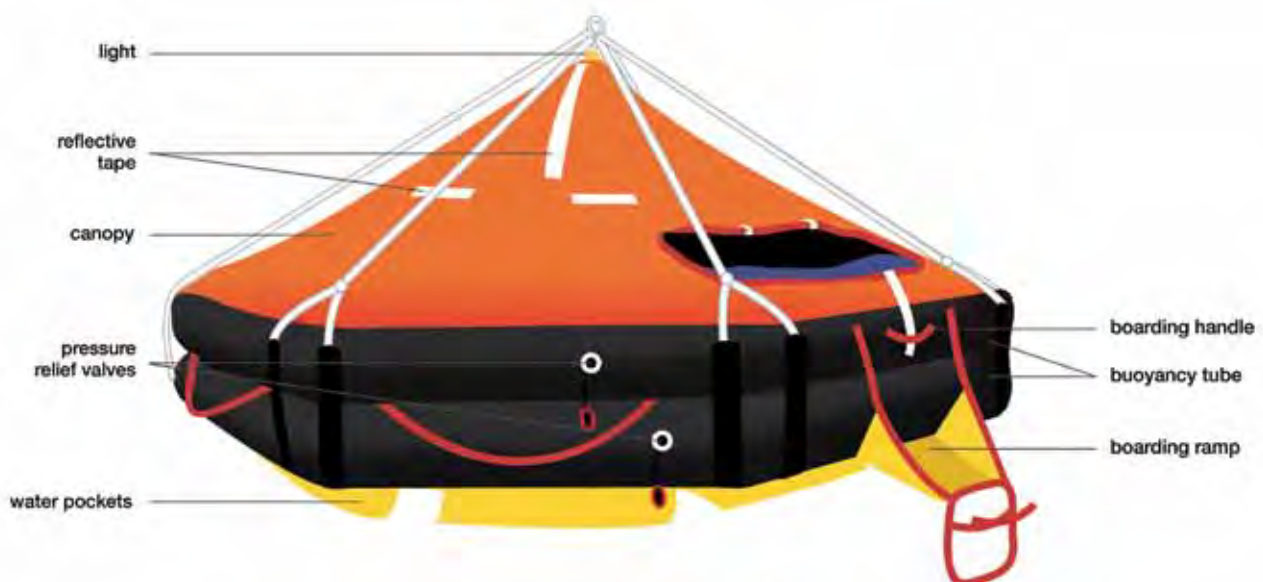


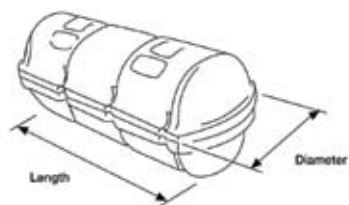
Surviva liferafts are our core product range and are undoubtedly our most popular liferafts. Manufactured to the highest quality standards and stowed in a variety of containers designed to suit most deck spaces, this product is fully approved ensuring its suitability for any vessel throughout the world

Front View



Back View





MK10 Cylindrical Container

Solas A Pack

Rated Capacity	Length (mm)	Dia. (mm)	Weight (kg)
6	1260	485	76
8	1260	485	80
10	1385	535	100
12	1385	535	109
16	1530	530	137
20	1635	585	158
25	1635	585	178
12 DL	1385	535	114
16 DL	1530	530	139
20 DL	1635	585	160
25 DL	1635	585	183

Solas B Pack

Rated Capacity	Length (mm)	Dia. (mm)	Weight (kg)
6	1160	435	57
8	1160	435	57
10	1260	485	80
12	1260	485	85
16	1390	535	103
20	1540	530	109
25	1540	530	128
12 DL	1260	435	90
16 DL	1930	535	107
20 DL	1540	530	120
25 DL	1540	530	133



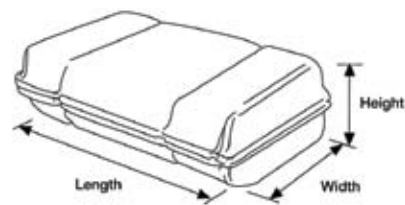
MK14 Cylindrical Container

Solas A Pack

Rated Capacity	Length (mm)	Dia. (mm)	Weight (kg)
6	1066	556	76
10	1156	584	99
12	1156	584	106
16	1308	685	144
20	1308	685	160
25	1308	685	180
12 DL	1156	584	113
20 DL	1308	685	163
25 DL	1308	685	185

Solas B Pack

Rated Capacity	Length (mm)	Dia. (mm)	Weight (kg)
6	1066	556	57
12	1156	584	79
16	1156	584	101
20	1156	584	106
25	1308	685	130
12 DL	1156	584	92
16 DL	1156	584	106
20 DL	1308	685	123
25 DL	1308	685	135



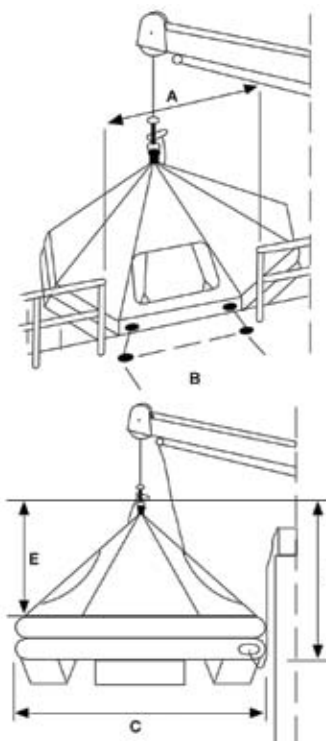
Flat Pack Container

Solas A Pack

Rated Capacity	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
6	985	670	435	76
8	985	670	435	86
10	1190	650	315	101
12	1190	650	315	110
20 DL	1525	829	505	160
25 DL	1525	820	505	183

Solas B Pack

Rated Capacity	Length (mm)	Width (mm)	Height (mm)	Weight (kg)
6	900	646	310	57
8	985	670	435	62
10	1190	650	315	85
12	1190	650	315	90
25 DL	1525	820	505	153



Davit launch raft heights

Rated Capacity	A (mm)	B (mm)	C (mm)	D (kg)	E (kg)
12	1600	1000	2860	1891	1300
16	1700	1000	3270	2065	1420
20	1800	1000	4070	2065	1400
25	1800	1000	4070	2270	1540

Key features of the Surviva liferaft:

- Manufactured from coated textile corrosion and abrasion resistant rubber ensuring its durability
- Fully enclosed double skinned high visibility canopy complete with retro reflective tape
- Non-inflatable easy access boarding ramp
- High volume water pockets to ensure maximum stability when inflated
- Canopy fitted with LED light ensuring maximum visibility
- Fully insulated floor to ensure maximum thermal protection
- Stowed in lightweight streamlined GRP containers enabling maximum deck space utilisation
- Available in davit launch or throw over versions

Stowage:

- Surviva liferafts can be stowed in multiple configurations - please refer to our data sheet for technical details

- Various stowage height options are available - please consult one of our sales staff for more details

Emergency Packs:

- Surviva liferafts are available with 'A' and 'B' emergency pack configurations

Ancillary Equipment available on request:

- Hydrostatic release units
- EPIRBs (Emergency Positioning Indicating Radio Beacon)

DSB LR07 Liferaft

DSB has been supplying premium quality safety equipment to the marine industry for over 90 years. Our commitment to customers is at the heart of everything we do, and our aim is to continually exceed our customers' expectations through innovative design, high quality products and a reliable service. Our dedication to supporting our customers throughout the lifecycle of our products is demonstrated through our extensive worldwide servicing network of over 400 Survitec stations across the globe, of which over 300 service DSB products.

- Manufactured from double-coated corrosion and abrasion resistant rubber
- Fully enclosed double skinned high visibility canopy complete with retro-reflective tape
- Semi-rigid easy access boarding ramp
- Large water pockets to ensure maximum stability when inflated
- Fully insulated floor to ensure maximum thermal protection

LR 07 Dimensions and Weights (max drop height 36m)



LR07		Inflated Liferaft Dimensions			Liferaft packed in container with				Weight	
					A Pack		B Pack		A Pack	B Pack
raft size	length	breadth	width (across flats)	height	length	dia.	length	dia.	length	dia.
6	2290	1700	-	1140	1260	485	1050	610	76	63
8	2720	1850	-	1160	1260	485	1050	610	80	63
10	-	-	2260	1520	1156	584	1260	485	99	80
12	-	-	2860	1560	1156	584	1260	485	108	85
12DL	-	-	2860	1560	1156	584	1260	485	113	92
16	-	-	3270	1740	1308	685	1156	584	139	101
16DL	-	-	3270	1740	1308	685	1156	584	141	106
20	-	-	3670	1750	1308	685	1156	584	160	106
20DL	-	-	3670	1750	1308	685	1280	685	163	123
25	-	-	4070	1960	1308	685	1280	685	180	130
25DL	-	-	4070	1960	1308	685	1280	685	185	135

All weights and dimensions are approximate and may be subject to slight variation



Ikaros Line Thrower

For use as pilot line for cables and ropes in rescue operations at sea. Use between ships, from shore to ship or ship to shore, or for rescuing personnel. A robust construction consisting of a waterproof plastic container, incorporating an integral handle and trigger mechanism, with a solid fuel rocket and 300m of line. The Ikaros-Line is approved globally and meets the latest SOLAS 74/96 regulations

	45070032
Replacement Rocket	45070025



Olin Flare Gun Kit

The Olin 12-Gauge hand flare is approved for recreational boaters only. This popular kit contains a 12-gauge launcher and a dozen 12-gauge marine signal flares on two bandoliers. The bright orange canister is watertight, floats and has storage space for additional signals. CCG approved

Class B	45070060
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Skyblazer Aerial Flares

The Skyblazer Aerial red twin star marine flares are a "Type B" flare. Easy to use pull chain ignition. Waterproof and they float. These flares outperform 12 gauge flare guns. 6-pack comes with belt pack

Ejection Height: Up to 500'

- Burning Time: 10 seconds
- Dimensions: 1 x 4-3/4"

3 pack Class B	45070023
6 pack Class B	45070055



Ikaros MOB Smoke/Light

A combined day and night marker (giving 2 hours of light and 15 minutes smoke) with lithium battery sealed for life. Maximum storage height 45m

36020062



Lifebuoy Light

The Ikaros lifebuoy light is approved globally and meets the latest SOLAS 74/96 regulations. Externally mounted, self-activating, battery operated, handles varied conditions, lasts at least five years

36020062



IKAROS Parachute Rocket

The IKAROS parachute rocket was introduced in 1959 and the same design is now used by most manufacturers around the world. The IKAROS original is the leading parachute rocket with quality and performance that meets the highest demands on function and safe operation. The IKAROS parachute rocket is approved globally and meets the latest SOLAS 74/96 regulations

Specifications	Flare ejection height (m)	Light intensity (cd)	Burning time (s)	Dimensions (mm)	Weight (g)	Item Number
Red	350	30,000	>40	277x47	345	45070013
White	350	100,000	>30	277x47	350	45070017



Ikaros Hand Flares

This Polar MK2 hand flare is a "Type C" flare designed for short range distress signalling in ships, lifeboats, liferafts and leisure craft

Specifications	Light intensity (cd)	Burning time (s)	Dimensions (mm)	Weight (g)	Item Number
Red	15,000	>60	243x30	235	45070038
White	10,000	>60	243x30	235	45070031



Ikaros Twin Star Rocket Flares (Class A)

This two star rocket flare is for use on ships, lifeboats, liferafts, and leisure craft

Ejection Height (m)	Light intensity (cd)	Burning time (s)	Dimensions (mm)	Item Number
350	40,000	>6	270x47	45070044



Ikaros Day & Night Distress Flares

For short range distress signalling in day or night. Flare end burns for 20 seconds and orange smoke end produces smoke for 18 seconds

Burning time (m)	Dimensions (mm)	Item Number
4	142x42	45070063



Ikaros Orange Smoke Float Class D

The Ikaros Orange Smoke Signal is a "Type D" flare. It is designed for use in daylight conditions

Burning time (m)	Dimensions (mm)	Item Number
4	45x101	45070034



Pyrotechnics Container

Waterproof container for storing rockets and flares in your boat

Smoke Colour	Item Number
White	45070002



12-Gauge Meteors

Smoke Colour	Item Number
Red	45070023
White	45070055

Evacuation

Hammar Hyrdostatic Release Unit H20 10130 Canadian

The Hammar H20 is a hydrostatic release unit that fits liferafts of all shapes and sizes. Also available for EPIRBS It won't rust. The Hammar H20 needs no annual service, maintenance or spare parts. You simply install a new one every two years and dispose of the old one

48050w167

Life Raft Version



EPIRB Version



Deck Cradles

Surviva Liferaft Cradles

Raft Fits (persons)	Item Number
4-12	48050054
16-25	48050063

Seasava Plus Cradles

Raft Fits (persons)	Item Number
4-8	48050181



Pelican Hook

25120001



Donut Personal Controlled Descent Device

The Patented Donut Personal Controlled Descent Device is the Offshore Industry standard, and was designed and developed in a response to the Piper Alpha tragedy with the cooperation of the UK Regulatory Authorities and the North Sea operators

Donut is a simple, lightweight device designed as a tertiary means of escape from an Offshore Installation when Conventional means are not possible.

It enables Personnel to escape by means of Individual Controlled Descent once the device has been attached to a handrail or other load bearing structure. It is easy to use and requires minimal physical effort

Special Order

Donut – Guided Escape to a Liferaft

The Donut has been designed to assist an evacuation to a Liferaft by incorporating a strop, which is attached to the Liferaft Painter Line prior to descent. The Painter Line acts as a guide, during descent, for easy entry into the Liferaft. The evacuee remains safely attached via the Donut Harness to the Painter Line throughout this operation alleviating the risk of being washed away when entering the water

Donut comes in standard descent lengths of 15m, 32m, 46m, 65m, 76m

Special Order



Alerting Units



PLB8-LR 'SOS' Man Overboard Alerting Unit Crewguard CG-121 MKII (rev.a) Pre-Wired to Crewfix® NMEA box

A simple, highly effective, automatic man overboard alerting Safety System with GPS plot. This system automatically alerts you of a man overboard, recording the GPS position of the incident allowing you to track back to that point. The PLBs in this system integrate with SAR services for precise tracking on 121.5MHz should you need extra support

45010058



Crewguard CG-121 MKII (rev.a) pre-wired to Crewfix® NMEA box Dedicated Man Overboard Alarm Base Unit

- NEW heavy duty waterproof metal enclosure
- Automatic immediate MOB alerting
- Auto siren & flashing LED MOB warning indicators
- Signal strength indicator (near or far)
- Training Frequencies 121.65MHz & 121.75MHz
- 12V Power – (24 to 12V DC converter available)
- External Siren included for loud audio MOB alerting
- Integrated CREWFIX® NMEA GPS output
- External antenna with mounting brackets
- Comes with 5m cable and plugs/fitings/bracket

NOTE: For correct NMEA interface value please specify the type of NMEA output your GPS plotter has

45010058



Alerting Unit Man Overboard, Sea Marshall® AU9 Fully Automatic Digital Personal Locator Beacon

- 24/7 monitoring of crew
- Small and comfortable to wear
- Automatic activation upon immersion
- Protects you and your crew day and night
- Long range homing signal on 121.5MHz
- Can be tracked by SARfinder® or Coastguard
- Robust marine construction (environmentally tested)
- User replaceable battery + auto low battery indicator
- Gives confidence to you and your crew
- 100mW and 500mW long range version available

Lifeguard sold separately. Add extra AU9 units, there is no limit to the number that can be used in this system

45070142





SARfinder® Antenna

Replacement antenna for SARfinder MKII locator unit (MKI version available by special order) Includes antenna body, 6 diploes, mounting bracket and bolts, gaskets



Diver Conversion Kit for AU9

- 2 x Pressure cap + 'O' ring
- 2 x 'O' ring base cap seal
- 2 x Base Cap screw rubber gasket/seal
- 1 x Tube of silicone grease



Antenna Cables for the SARfinder® 1003 MKII

Available lengths (m):

- | | |
|------|------|
| • 16 | • 65 |
| • 35 | • 75 |
| • 25 | • 85 |
| • 55 | |

Note: All cables longer than 50m will Require an adjustment to the control box electronics to compensate for losses in order to make the unit work correctly and effectively

More info on all Sea Marshall products visit www.seamarshall.com



Diver Card

Credit card sized diver identity information card

- Made from hi-visibility fluorescent plastic
- "I am carrying a 121.5 MHz PLB" printed on the front
- Space to write your name and address on the rear

A very useful tool. Hand it to the crew/captain of the diveboat so others know who you are and that you are carrying a 121.5MHz PLB



Alerting Unit (PLB8) Harness

Harness made specifically to accommodate a Sea Marshall® ISPLB8X alerting unit

- Holds the PLB firmly in place. Keeps your PLB with you



Diver Pouch for Diver Alerting Unit (AU9 & PLB8)

- Neoprene carrying pouch for Diver Alerting Unit
- Keeps your unit safe both during and after a dive



SARfinder Canvas Control Box Cover

- Helps protects the SARfinder® display control box from the elements when the unit is externally mounted

66900500

EPIRBs



Marine EPIRB's

GME MT403 series EPIRBs are a culmination of years of extensive R & D by GME engineers. The end result is a radical new design concept that is not only a significant improvement on existing beacon performance, but dramatically slashes the cost of 406 MHz EPIRB ownership.

The GME MT403 406 MHz digital EPIRB is the latest exciting extension of GME's growing family of innovative safety products. A key feature of the MT403 series is the use of non-hazardous battery packs that are IATA compliant and allow for restriction free transportation.

MT-403	AccuSat 406 EPIRB – Manual Activation
MT-403G	AccuSat 406 EPIRB – Manual Activation / GPS Equipped
MT-403FF	AccuSat 406 EPIRB – Automatic Float Free Activation
MT-403FG	AccuSat 406 EPIRB – Automatic Float Free Activation / GPS Equipped



Personal Locator Beacon

GME's AccuSat MT410G Pocket Pro+ with integrated GPS Personal Locator Beacon (PLB) has been leading the world's PLB market due to it's features, and innovation.

The MT410G AccuSat PLB offers a massive 7 year battery replacement life, and a 7 year warranty, the unit also features a high intensity flashing LED, a 'Non Hazmat' battery pack for simple and cost effective transportation and a 16 Channel parallel GPS receiver with top mounted Quad helix antenna to improve location accuracy to better than 100 metres typically - all contributing to the unique AccuSat advantage.

MT-410G	AccuSat 406 Pocket Pro PLB / GPS Equipped
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Search And Rescue Transponders (SARTs)

Mandatory carriage safety devices that form part of the Global Maritime Distress And Safety System (GMDSS)

SARTs are active radar transponders, and operate exclusively in the 'X-band' part of the radio spectrum, receiving and transmitting at nominally 9,200 MHz to 9,500 MHz.

S-701	9 GHZ SART (Search and Rescue Transponder)
S-701B	SART Replacement Battery

Air Horns



Falcon Sports Horn

- The Falcon Sports Horn produces loud sound at the push of a button, audible from great distances.
- Designed for sports and officials, but ideal for boaters and fishermen

32080053



EcoBlast Rechargeable Air Horn

- This rechargeable air horn can be used over and over
- Meets CCG Requirements and is 100% Ozone Safe
- Recharge the compressed air with the included hand pump and never have to buy another can of air

32080071

Rations



Seven Oceans Water Rations

- Emergency drinking water provides a balanced diet for survival at sea, approved world wide for use onboard lifeboats and liferafts
- The high quality packaging also includes directions for use in 14 different languages
- Physical parameters (Typical values):
 - pH: 5.5 – 8.5
 - Conductivity: < 10 mS / m
 - Turbidity: < 1 f.t.u
 - Colour: < 20
 - Appearance: Clear
 - Taste: Normal

1/2 L

48050048



Seven Oceans Food Rations

- To provide a balanced diet for survival at sea, approved world wide for use onboard lifeboats and liferafts.
- The high quality packaging also includes directions for use in 14 different languages
- Contains the highest possible ratio of balanced nutrition compared to volume.
- 500g net
- 10,300 kJ / 2,500 kcal.
- 3 layer alu-foil packaging.
- Exceeds SOLAS requirements

48050035

Lifering & Accessories



Lifering Bouy

The Ring bodies are warranted for seven years under all climatic conditions and are resistant to fire, oil and gas.

The hard shell prevents tearing and ripping and is virtually vandal proof.

The design allows for easy rope replacement should the rope become damaged, thus ensuring the integrity and continued certification of the Ring

24"

45110037

30"

45110038



Lifering Bouy Holder

Aluminum design holds ring buoy more securely and still allows easy use

Single Arm

45110067

3 Arm (30" Only)

45110053

Fire Safety



Fire Hose

Available in all Popular sizes and Lengths. Contact us with your specifications

L'() x Dia. (")	Item Number
25 x 1.5	54060039
50 x 1.5	54060040

Custom sizes and lengths available upon request



Hose Nozzles

Connects to popular dia. fire hoses. Industrial grade quality. Ideal for either washdown or fire fighting

Type (")	Item Number
1	45090028
1-1/2	45090031
2	45090072



Fire Pail

Red with Round Bottom

16100001



Softwood Paddles & Oars

- Made out of white spruce or poplar from a solid piece of wooden plank
- Two styles of blades
- Traditional Beaver Tail
- Tear Drop, more wear, push off rocks and docks
- Comfortable shaped handle
- Finished with many coats of marine spar varnish
- Shafts are turned 1 3/16" with a 5 3/4" wide blade
- Shafts are turned 1-1/4" with a 6" wide blade

Type	Item Number
Liferaft	48030023
7 ft	35420054
8 ft	35420056
9 ft	35420058



Waterproof Matches

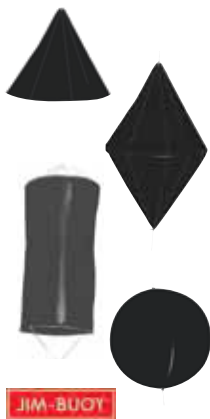
45060090

Axes

Type	Item Number
Fire Axe	40020027
Fire Axe Bracket	40020007
LifeBoat Hatchet	48030023



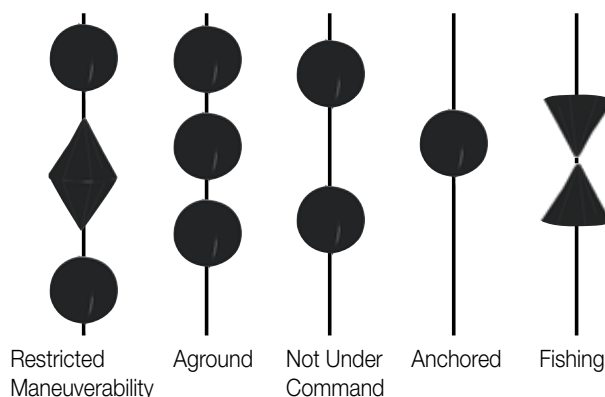
Signals & Anchors



Day Shapes

Jim-Buoy Day Mark Signals/Shapes are made of heavy duty black vinyl, coated nylon fabric with stainless steel or galvanized framing. Fully collapsible when stored. Simplicity of design offers rapid and rigid display when required

Shape	Dia (")	Item Number
Cone	24 x 24	45030011
Double Cone	24 x 48	45030010
Cylinder	24 x 48	66577580
Ball	24	45030003



Danforth Anchors—Galvanized

Famous for their great holding power in all types of bottoms. Top quality construction. Hot-dipped galvanized

Weight (lbs)	Length (")	Stock (")	Model	Item Number
9	24	18-1/4	S600	39050044
13	28	21	S920	39050046
18	32	24	S1300	39050047
25	35	27	S1600	66730550
43	41	31	S2000	39050042
70	50	38	S3000	39050055
100	54	41	S3500	39050010



Economy Plow Anchors – Galvanized

Weight (lbs)	Item Number
26	66731710
35	39030067
53	66731730
60	39030069

Economical alternative for temporary anchor or less critical applications. Hot dipped galvanized



Sea Anchors-Vinyl Coated Nylon

For boats under 16 ft.; behind boat 75 ft. min.

18" Dia	66537510
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For boats 16-20 ft.; behind boat 75 ft. min.

24" Dia	39030022
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For boats 20-24 ft.; behind boat 100 ft. min.

30" Dia	66537530
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Preparedness is the essence of good seamanship, and no small, independent craft should venture offshore without the security and peace of mind of a Jim-Buoy sea anchor. Jim-Buoy sea anchors are made of vinyl coated nylon, with 1" polypropylene shroud lines. These sea anchors are designed for trolling purposes. Easily collapsed for storage. Available in 3 diameters.

- Use with 1/4" line

Storm Sea Anchor

36" Dia	66537540
---------	-----------------

For boats up to 50 ft.; behind boat 100 ft. min.

Made of vinyl covered heavy-duty nylon. Unmatched strength and durability – will not rot or mildew. Stainless steel or galvanized fittings, nylon webbing. The finest model available

- Use with 3/6" line



OC8001 Ocean Commander Immersion Suit

- Offering the highest level of protection; the Ocean Commander is feature-laden with a full length zipper, neoprene wrist seals and removable neoprene mitts
- Mobility is enhanced through non-slip rubber soles that provide traction on wet surfaces and the welded nylon outer shell provides waterproofness
- Constructed of Mustang AirSoft foam for maximum floatation and thermal insulation with an inflatable pillow and SOLAS grade reflective tape for visibility

45150042



MSD900 Breathable Immersion Work Suit

- 3-layer modular system that combines the protection of an immersion suit with the mobility and durability of a work suit
- SOLAS/IMO reflective tape provides high visibility with fleece lined hand warmers that offer relief for cold, wet hands
- Elbows, knees and seat are reinforced with 500-Denier Cordura with inflatable pillow for head support

45150065

Available in Orange/Black; larger sizes available through special order



**Marine Division is a leader in
Marine, Industrial and Aviation Safety**
We offer inspections, servicing, certification and sales of:

- EPIRBs
- Pyrotechnics
- Liferafts
- Fall Arrest Systems
- Rigging Hardware
- Lifting Hardware
- Immersion, Flight, Exposure & Survival Suits



High Visibility Inflatable PFD with HIT MD3153 HD

- Ideal for constant wear situations, hot, humid conditions/high mobility requirements
- Durable PU-coated nylon shell offers improved puncture and abrasion resistance
- New damage-tolerant inflator cover reduces wear and protects inflator cap
- Retro-reflective SOLAS Tape on front & back outer shell
- Back-up oral inflation tube and manual activation cord
- 5 year maintenance-free inflator unless inflated
- 35 lb of buoyancy when inflated - twice the flotation of a standard foam vest
- Universal Adult [16 yrs + / 80lb+] with chest size 30"-52"

14150432



MD0450 Inflatable Vest PFD with Lift & Auto Hydrostatic Activation

- Lightweight inflatable PFD designed with a shorter length and a low, flexible profile to ensure a total mobility during rigorous activity
- 40lbs buoyancy when inflated with up to 9" of freeboard for extra safety in severe weather
- HIT offers reliable inflation in a low maintenance design that will only automatically inflate when submerged in 4 or more inches of water

14150379

Sizing is universal



Deluxe Inflatable PFD

- Lightweight design for high mobility made from durable nylon with a neoprene comfort collar; allows PFD to be easily worn over a shirt or jacket
- Transport Canada and Canadian Coast Guard approvals

MD3051 Manual Activation

- Inflates by pulling the inflation cord that hangs from the PFD at waist height

MD3053 Automatic Activation

- Inflates when immersed in water by way of a small tablet that dissolves and causes the inflator activate

MD3051 Manual Red 14150336

MD3051 Manual Blue 14150443

MD3053 Automatic Red 14150330

MD3053 Automatic Blue 14150357

Sizes are universal



MD3153 T2 Inflatable PFD with HIT and SOLAS Reflective Tape

- This award winning PFD is Mustang Survival's top-of-the-line inflatable PFD
- SOLAS reflective tape with 1F auto hydrostatic inflator technology offers reliable inflation with low maintenance
- Lightweight and comfortable design with neoprene comfort collar and a secureZip closure provides 35lbs of buoyancy when inflated
- Transport Canada and Canadian Coast Guard approvals

Orange

14150385

Sizing is universal



MD3153 Inflatable PFD with HIT

- This award winning PFD is Mustang Survival's top-of-the-line inflatable PFD
- Lightweight and comfortable design with neoprene comfort collar and a secureZip closure provides 35lbs of buoyancy when inflated
- Transport Canada and Canadian Coast Guard approvals

Red/Black

14150359

Carbon/Black

14150383

Tan/Black

14150384

Sizing is universal



M.I.T. 35

Using Membrane Inflatable Technology, the M.I.T. 35 boasts 35 lbs of buoyancy when inflated. It features an inspection window and access flap to make inspecting/maintaining your PFD a breeze, a hidden pocket for convenient storage, a reflective badge and a flexible fit that moves with you all day long

MD2051 Manual Activation

- Inflates by pulling the inflation cord that hangs from the PFD at waist height

MD2053 Automatic Activation

- Inflates when immersed in water by way of a small tablet that dissolves and causes the inflator activate

MD2051 Manual Red 14150421

MD2051 Manual Blue 14150422

MD2053 Automatic Red 14150424

MD2053 Automatic Blue 14150425

Sizes are universal

Lifejackets & Vests



M502 Keyhole Lifejacket

- Transport Canada approved Standard Lifejacket
- SOLAS reflective tape for high visibility
- Side pocket with SOLAS approved whistle
- Side pocket and web strap for personal locator light (not included)
- Approved to Standard: CAN/CGSB 65-GP-14M



14150391



MD8010 Adult Canadian Standard Lifejacket

- Lightweight and durable; this lifejacket is constructed of block foam for easy storage
- Reflective tape and universally sized for individuals weighing over 40kg
- Transport Canada Marine approval



45110054

Sizing is universal



NAV200 Adult Boating Vest

- Adjustable fit with foam side panels for comfort and bright colours for high visibility
- DOT approved CAN/CGSB 65.11-M88



45110223

Available in Red/Black



MV3107 Classic Industrial Floatation Vest

- Classic PFD for industrial applications with large arm holes and SOLAS reflective tape on the shoulders for visibility
- Transport Canada and Canadian Coast Guard approvals



Size	Item Number
Small	14150001
Medium	14150006
Large	14150020
XL	14150030
XXL	14150035



M110 – Industrial Vest

- SOLAS reflective tape on shoulders with foam side panels and accessory patch D-ring
- Approved Standard: CAN/CGSB 65.11-M88



Size	Item Number
Small/Medium	14150272
Large/XL	14150394
XXL-XXXL	14150390

Available in Orange/Black

Life Raft Inspection Services

If safety on the job counts, IMP's Life Raft Inspectors can help by providing an annual third party verification of your equipment. Our inspectors are manufacturer certified to inspect life rafts to meet industry requirements

Either send the goods to our facility, or we'll send our inspection team to you. When the job is done, you can manage, view and print your certificate using our online certification system. Your staff always knows where an item is and if it is safe to use



ENVIRONMENTAL CLEAN-UP

Absorbents



Synthetic Oil-Only Product Line

A premium, 100% polypropylene oil-only product which contains a very high recycled content. It is manufactured using recycled ultra long poly fibers, unlike other competing products that are made from pulverized polypropylene scrap. It features:

- High water chemical resistance, outperforms meltblown
- Exceptional web structure that provides added strength
- Inside core fibers less likely to fall out when cover stock is torn
- Extremely soft and drapeable

Applications include: requirement for high oil absorbency, outdoor and very wet environments, around tight-fitting equipment, MRO/maintenance

Oil Only	Description	Weight	Size	Units/Case
AMEP100	Pads	Heavy	16"x18"	100
AMER150	Rolls	Heavy	28"x150'	1
AMESR150	Split Rolls	Heavy	14"x150'	2



Synthetic Universal Product Line

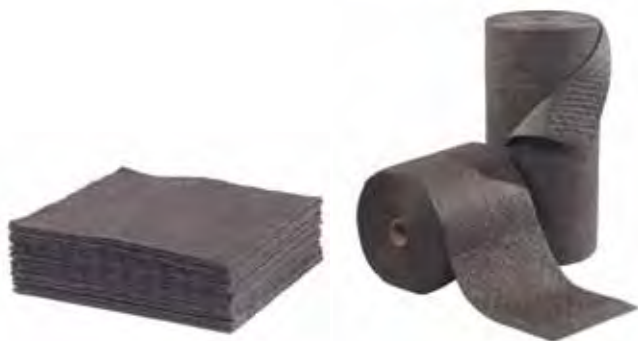
This premium line of universal sorbents contain a very high recycled content and is manufactured using recycled ultra long poly fibers. Outperforms meltblown

The exceptional web structure provides added strength therefore the inside core fibers are less likely to fall out when the cover stock is torn

They are extremely soft and drapeable

Great for outdoor use and very wet environments or if you need to wrap around tight fitting equipment

Universal	Description	Weight	Size	Units/Case
AMEUP100	Pads	Medium	16"x18"	100
AMEUR150	Rolls	Medium	28"x150'	1
AMEUSR150	Split Rolls	Medium	14"x150'	2



COMPLIANCE: When it comes to handling, storing and disposing, you must comply with all local, provincial and federal regulations. Various fluids absorbed or contained may be hazardous or toxic. Dispose according to the relevant government regulations

CAUTION: Flammable and other hazardous liquids, under certain conditions can spontaneously ignite. Ensure that all personnel handling these materials do so with caution and always wear protective clothing and respiratory devices



Laminated Pads and Rolls

This laminated product line is one of the toughest sorbent on the market

The heavy-weight spun bond cover stock is extremely abrasion resistant and almost lint-free. Constructed by bonding outer layers of heavy and very tough polypropylene spun bond to a high-loft core

The core is manufactured so that it will not fall out even if the outer coverings are torn. Ideal for environmental applications that demand extreme durability and high absorbency in demanding situations



Oil Only	Description	Weight	Size	Units/Case
QP100	Pads	Heavy	16"x18"	100
QEP100	Pads	Medium	16"x18"	100
QP200	Pads	Light	16"x18"	200
QR150	Rolls	Heavy	28"x150'	1
QRS150	Split Rolls	Heavy	14"x150'	2
QER150	Rolls	Medium	28"x150'	1
QESR150	Split Rolls	Medium	14"x150'	2
Universal	Description	Weight	Size	Units/Case
UQP100	Pads	Heavy	16"x18"	100
UQEP100	Pads	Medium	16"x18"	100
UQP200	Pads	Light	16"x18"	200
UQR150	Rolls	Heavy	28"x150'	1
UQRS150	Split Rolls	Heavy	14"x150'	2
UQER150	Rolls	Medium	28"x150'	1
UQESR150	Split Rolls	Medium	14"x150'	2



Laminated Pads and Rolls—Fine Fiber

Cold Form Fine Fiber sorbents combine the benefits of meltblown fine fiber with a highly absorbent ColdForm core. The outer layers are made from small diameter densely woven polypropylene fibers. Layers are bonded to a high-loft, highly absorbent ColdForm core specifically optimized for universal or oil-only tasks. More durable than existing fine fiber meltblown and far more absorbent. Looks just like a meltblown fine fiber sorbent but is more effective and earth friendly

Oil Only	Description	Weight	Size	Units/Case
QF100	Pads	Heavy	16"x18"	100
QF150	Rolls	Heavy	28"x150'	1
QSF150	Split Rolls	Heavy	14"x150'	2
Universal	Description	Weight	Size	Units/Case
UQF100	Pads	Heavy	16"x18"	100
UQF150	Rolls	Heavy	28"x150'	1
UQSF150	Split Rolls	Heavy	14"x150'	2



MELT BLOWN

Bonded Sorbent Rolls & Pads—Oil Only

Oil Select Bonded Pads are constructed from three layers of high quality polypropylene fibers and are ideal for wiping applications when increased tensile strength is necessary. The sonic bonding process creates a stronger more durable fiber, without effecting absorption. Bonded and perforated for easy use

Oil Only	Description	Weight	Size	Pkg. Qty.
BP100	Bonded Pads	Heavy	15"x18"	100
BP200	Bonded Pads	Light	15"x18"	200
BEP100	Bonded Pads	Medium	15"x18"	100
BR144	Bonded Rolls	Heavy	30"x150'	1
BSR144	Bonded Split Rolls	Heavy	15"x150'	2
BER144	Bonded Rolls	Medium	30"x150'	1
BESR144	Bonded Split Rolls	Medium	15"x150'	2

Oil Only Sorbents

Pure meltblown fibers are the most cost-effective absorption technology today. Fast-wicking fibers absorb 25 times their weight in hydrocarbon. Pads and rolls are bonded and perforated for easy use

Oil Only	Description	Weight	Size	Units/Case
P100	Pads	Heavy	15"x18"	100
P200	Pads	Light	15"x18"	200
P50	Pads	Heavy	30"x34"	50
EP100	Pads	Medium	15"x18"	100
R144	Rolls	Heavy	30"x150'	1
SR144	SplitRolls	Heavy	15"x150'	2
ER144	Rolls	Medium	30"x150'	1
ESR144	Split Rolls	Medium	15"x150'	2
B510	Booms	-	5"x10'	4
B810	Booms	-	8"x10'	4
MOPO3048	Socks	-	3"x48"	30
MOPO10120	Socks	-	3"x120"	10
MOPO815	Socks	-	3"x96"	15
SP818-20	Pillows	-	8"x18"	20
SP1818-10	Pillow	-	18"x18"	10
SAKPIL10	Pillow	-	4"x20"	10

Fine Fiber Sorbent Rolls & Pads—Oil Only

This fine fiber product line is made from the purest and highest quality polypropylene. Outer layers are made from small diameter densely woven polypropylene fibers. These layers are then ultrasonically bonded to a high loft and meltblown core

Oil Only	Description	Weight	Size	Pkg. Qty.
QB100P	Pads	Heavy	15"x18"	100
QB200P	Pads	Light	15"x18"	200
QBR150P	Rolls	Heavy	30"x150'	1
QBSR150P	Split Rolls	Heavy	15"x150'	2
QBER150P	Rolls	Medium	30"x150'	1
QBESR150P	Split Rolls	Medium	15"x150'	2



MELTBLOWN

Anti-Static

Pure meltblown polypropylene fibers are the most cost-effective adsorption technology today. Fast-wicking fibers absorb up to 25 times their weight in hydrocarbon. These durable, heavy-weight static resistant pads absorb petroleum based liquids, but never water. Ideal when you have to clean up highly flammable oily spills or drips

Item	Description	Weight	Size	Pkg. Qty.
ASTAT144	Rolls	Heavy	30"x150'	1
ASTAT100	Pads	Heavy	15"x18"	100
ASTAT25	Pads	Heavy	15"x18"	25

Universal/Chemical Sorbents

Universal/Chemical sorbents are designed to pick-up aggressive hydrocarbon (oil and water) spills. Suitable for nonaggressive acids, caustics, coolants, solvents, water and solutions. Bonded and perforated for easy use

Oil Only	Description	Weight	Size	Units/Case
Universal	Description	Weight	Size	Units/Case
UP118	Pads	Heavy	15"x18"	100
UP200G	Pads	Light	15"x18"	200
UP118-9	Pads	Medium	15"x18"	100
UR136	Rolls	Heavy	30"x150'	1
UR118S	Rolls	Heavy	15"x150'	1
UR136-9	Rolls	Medium	30"x150'	1
UR118-9	Rolls	Medium	15"x150'	2
UB510	Booms	-	5"x10'	4
UB810	Booms	-	8"x10'	4
MOPU3048	Socks	-	3"x48"	30
MOPU10120	Socks	-	3"x120"	10
SPU818-20	Pillows	-	8"x18"	20
SPU1818-10	Pillows	-	18"x18"	10

Fine Fiber Rolls & Pads—Universal

Offering the best product consistency and uniformity available, meltblown fine fiber sorbents are manufactured using state-of-the-art technology. Outer layers are made from small diameter densely woven polypropylene fibers. These layers are then ultrasonically bonded to a high loft meltblown core

Universal	Description	Size	Weight	Pkg. Qty.
UQ100P	Pads	15"x18"	Heavy	100
UQ200P	Pads	15"x18"	Light	200
UQR150P	Roll	30"x150"	Heavy	1
UQSR150P	Split Roll	15"x150'	Heavy	2
UQER150P	Roll	30"x150'	Medium	1
UQESR150P	Split Roll	15"x150'	Medium	2



COLDFORM

Spill Kits are the way to go! ColdForm sorbents are made from recycled and renewable resource materials and still offers outstanding absorbency and durability. Kits are good for hydrocarbons (oil only) and non-aggressive chemicals (universal). Custom kits also available



Economy Coldform Spill Kit (5 Gallon Capacity)

Includes: 10 pads, 1 sock (4') 1 pair gloves, 1 disposal bag

Oil Only

Part #: CSKCSPO - zip-lock bag

Part #: CSKCSNO - nylon bag

Universal/Chemical

Part #: CSKCSPU - zip-lock bag

Part #: CSKCSNU - nylon bag

20 Gallon Coldform Spill Kit (20 Gallon Capacity)

Includes: 50 pads, 4 socks (4'), 2 pillows (8"x18"), 1 pair gloves, 1 pair goggles, 1 disposal bag

Part #: SKC20O - Oil Only

Part #: SKC20U - Universal/Chemical



45 Gallon Coldform Spill Kit (45 Gallon Capacity)

Includes: 50 pads, 3 socks (10'), 5 socks (4'), 1 drain cover, 1 pair gloves, 1 pair goggles, 2 Tyvek suits, 3 disposal bags

Part #: CSKC45O - Oil Only

Part #: CSKC45U - Universal/Chemical

95 Gallon Coldform Spill Kit (47 Gallon Capacity)

Includes: 100 sorbent pads, 4 sorbent socks (10'), 4 sorbent pillows (18"x18"), 1 bag of SpeediKleen, 1 drain cover, 3 disposal bags, 2 pairs safety goggles, 2 pairs nitrile gloves

Part #: CSKC95O - Oil Only

Part #: CSKC95U - Universal/Chemical



MELTBLOWN

Spill Kits - Being able to respond quickly to any spill is imperative. These spill kits are a great choice for "being there when you need it". Small enough for service vehicles or around machinery and large enough to be strategically located throughout manufacturing facilities. Choose from oil only, universal or hazmat. Custom kits also available



First Responder Spill Kit (3 Gallon Capacity)

Includes: 4 sorbent pads, 1 sorbent sock (4'), 1 disposal bag, 1 repair putty, 1 pair gloves, 1 pair goggles

Part #: CSK15 - Oil Only

Part #: CSKU15 - Universal



Truck Spill Kit (12 Gallon Capacity)

Includes: 20 sorbent pads, 1 pair goggles, 1 3"x10' sock, 1 3"x4' sock, 1 disposal bag, 1 pair gloves

Part #: CSK20 - Oil Only

Part #: CSKU20 - Universal



30 Gallon Spill Kit (30 Gallon Capacity)

Includes: 50 pads, 12 socks (4'), 4 pillows (8"x18"), 1 pair gloves, 1 disposal bag, 1 pair goggles

Part #: SK30 - Oil Only

Part #: GPSK30 - Universal/Chemical

Part #: HAZSK30 - Hazmat



45 Gallon Spill Kit (45 Gallon Capacity)

Includes: 50 sorbent pads, 3 sorbent booms (5" x 120"), 5 sorbent socks (4'), 1 bag granular absorbent, 1 neoprene drain cover, 5 disposal bags, 1 retractable shovel, 2 pairs safety goggles, 2 pairs nitrile gloves, 2 Tyvek suits

Part #: CSKF45 - Oil Only

Part #: CSKUF45 - Universal

Part #: CSKHF45 - Hazmat

MELTBLOWN



55 Gallon Mobile Spill Kit (55 Gallon Capacity)

Includes: 100 pads, 2 booms (5"x120"), 5 pillows (8"x18"), 1 pair gloves, 1 disposal bag, 1 pair goggles

Part #: SK55M - Oil Only

Part #: GPSK55M - Universal/Chemical

Part #: HAZSK55M - Hazmat



95 Gallon Economy Kit (40 Gallon Capacity)

Includes: 100 pads, 4 booms (5"x120"), 10 pillows (8"x18"), 2 pair gloves, 3 disposal bag, 2 pair goggles

Part #: SK95 - Oil Only

Part #: GPSK95 - Universal/Chemical

Part #: HAZSK95 - Hazmat



55 Gallon Economy Spill Kit (55 Gallon Capacity)

Includes: 100 pads, 2 booms (5"x120"), 5 pillows (8"x18"), 1 pair gloves, 1 disposal bag, 1 pair goggles

Part #: SK55 - Oil Only

Part #: GPSK55 - Universal/Chemical

Part #: HAZSK55 - Hazmat



95 Gallon Spill Kit or 95 Gallon Mobile Spill Kit (47 Gallon Capacity)

Includes: 50 sorbent pads, 3 sorbent booms (5" x 120"), 5 sorbent socks (4'), 1 bag granular absorbent, 1 neoprene drain cover, 5 disposal bags, 1 retractable shovel, 2 pairs safety goggles, 2 pairs nitrile gloves, 2 Tyvek suits

Part #: CSKF95 - Oil Only

Part #: CSKUF95 - Universal

Part #: CSKHF95 - Hazmat

Part #: CSKF95M Mobile - Oil Only

Part #: CSKUF95M Mobile - Universal

Part #: CSKHF95M Mobile - Hazmat



250L Gallon Mobile Spill Kit (47 Gallon Capacity)

Includes: 100 sorbent pads, 4 sorbent socks (10'), 4 sorbent pillows (18"x18"), 1 bag of SpeediKleen, 1 drain cover, 3 disposal bags, 2 pairs safety goggles, 2 pairs nitrile gloves

Part #: CSKF250M - Oil Only

Part #: CSKUF250M - Universal

Part #: CSKHF250M - Hazmat



Ultra-Spill Berm

Temporary spill berm seals off spills from the environment, nearby drains and doorways

Standard 10 foot sections can be cut to various lengths to meet custom needs. Unique, urethane material "weeps" into small cracks and crevices to seal off liquid flow. SpillBerm is non-absorbing and is easily cleaned for repeated use. Also available in black to help hide dirt and grime. Applications include spill response, temporary secondary containment, sealing off of doorways during washdown operations. Due to the nature of softer urethane, the physical properties of these products may change with exposure to certain environmental conditions like temperature, humidity and UV radiation. Regular inspection of the stored product should be done to ensure it is in a usable state

Part #: 2100 (Orange), Part #: 2050 (Black)

Dimensions: 10' x 4" x 2 1/4"

Weight: 31 lbs

Options:

Connectors: Part #: 2101 (used to connect 10' sections)

Corners: Part #: 2102 (used with connectors to make 90° corners)



Ultra-Drain Seal Plus

Protects drains and can be left outside long-term

Urethane bottom layer (same as Ultra-Drain Seal) prevents contaminants from entering drains. Rugged, reinforced PVC top layer provides protection from extended UV exposure and vehicular traffic. Excellent for use in parking areas, loading docks and other areas where drains may be driven over. Resists oil, water and most aggressive chemicals, cleans with soap and water. Bright yellow color helps identify protected drains. One unit per box. Helps comply with SPCC and NPDES

Standard Sizes:

Square

2166 - 18" x 18", 7lbs

2167 - 24" x 24", 15lbs

2160 - 36" x 36", 16lbs

2161 - 42" x 42", 27lbs

2162 - 48" x 48", 43 lbs

2163 - 54" x 54", 53lbs

Circular

2174 - 12" diameter, 4 lbs

2175 - 20" diameter, 7lbs

2176 - 30" diameter, 13 lbs

2177 - 42" diameter, 26 lbs

Rectangular

2164 - 18" x 58", 20 lbs

2165 - 36" x 58", 38 lbs



Containment Booms

Containment Booms are recommended for use on open waters such as large lakes, bays, harbors or ocean environments. Top cable is recommended when several hundred feet are deployed. 3/8" chain ballast is recommended when tidal flows or current exist. 4"x6" booms are floating containment devices for ponds, small lakes, streams, creeks and small rivers where strong currents or winds do not exist. 6"x12" booms are used on lakes or open bodies of water where wind creates significant wave action. Under normal conditions, total section lengths should not exceed 500' without a top tension member. Aluminum quick latch or slide couplers are recommended. Top tension cable available on request

Item	Description	Size
CB10-50	4", dia float, 6" skirt, 1/4" or 5/16" galvanized chain ballast, 50'	10"x50'
CB18-50	6", dia float, 12" skirt, 1/4", 5/16", 3/8" galvanized chain ballast, 50'	18"x50'
CB18-100	6", dia float, 12" skirt, 1/4", 5/16", 3/8" galvanized chain ballast, 100'	18"x100'



Poly-Overpacks

20 and 30 gallon Salvage Drums are versatile units that can directly contain solid and sludges with security. With a 1/2 turn lid, this ergonomically designed unit allows for easy access, unlike traditional "hoop-ring designs". The 20 gallon unit accepts bottles, cans and 5 gallon pails while the 30 gallon unit can contain up to 16 gallon drums. Units are also nestable, which allows for ease of shipment

Poly-Overpack 20

Part #: 1220-YE

Top Diameter: Ext: 22.25" / Int: 21.5"

Bottom Diameter: Ext: 18" / Int: 17"

Height: Ext: 19" / Int: 17.36"

Weight: 10lbs

Handling Capacity: 166 lbs

Sump Capacity: 20 gallons

Regulations: UN 1H2/Y100/S, UN 1H2/X75/S, DOT 49 CFR 173.3 (c), EPA, SPCC and NPDES

Poly-Overpack 30

Part #: 1230-YE

Top Diameter: Ext: 22.25" / Int: 21.5"

Bottom Diameter: Ext: 18" / Int: 17"

Height: Ext: 30" / Int: 28.13"

Weight: 13lbs

Handling Capacity: 221 lbs



Sump Capacity: 30 gallons

Regulations: UN 1H2/X100/S, DOT 49

CFR 173.3 (c), EPA, SPCC and NPDES

Poly-Overpack 65

Poly-Overpack 65 meets Group 1 packaging standards, Salvage Drum regulations, and is designed to fit 30 gallon drums. This overpack nests for easy storage and has a gasket in the lid for secure containment

Part #: 1065-YE

Top Diameter: Ext: 27.75" / Int: 23.75", Bottom Diameter: Ext: 23" / Int: 22"

Height: Ext: 37.5" / Int: 34.25"

Weight: 4lbs

Handling Capacity: 440 lbs

Sump Capacity: 65 gallons

Regulations: UN 1H2/X200/S, DOT 49 CFR 173.3 (c), EPA, SPCC and NPDES

Poly-Overpack 95

The Poly-Overpack 95 meets Group 1 packaging standards and salvage drum regulations. Can safely contain a wide range of hazardous materials - including acids, corrosives and damaged parts - in 55 gallon drums. Tight, secure and leak-free container closing is simple. Just place any long object, like a wooden two-by-four, in the handy lid slots and turn it to screw the lid down tightly. Meets performance-oriented packaging requirements of U.S. DOT and UN regulations

Part #: 1237-YE

Top Diameter: Ext: 31.75" / Int: 27"

Bottom Diameter: Ext: 26" / Int: 24.75"

Height: Ext: 41.5" / Int: 37"

Weight: 48lbs

Handling Capacity: 650 lbs

Sump Capacity: 95 gallons

Regulations: UN 1H2/X295/S, UN 1H2T/Y295/S, DOT 49 CFR 173.3 (c), EPA, SPCC and NPDES



Envirosalv Poly Salvage Drum Plus **NEW**



The Envirosalv safely contains a wide range of hazardous materials including acids, corrosives and damaged drums. The most innovative design improvement is the Lock Down Security Kit (Part # 1295-LK) (optional) which locks and secures the drums to it's destination. Newly designed castellations allow for easy twist-down closing using available substrate of 2x4 standing on it's side or lying flat

Part #: 1295-YE

Top Diameter: Ext: 32" / Int: 27", Bottom Diameter: Ext 26" / Int: 25"

Height: Ext: 44" / Int: 37"

Weight: 55 lbs.

Handling Capacity: 650 lbs

Sump Capacity: 95 gal.

Regulations: UN 1H2/X295/S, UN 1H2T/Y295/S, DOT 49 CFR 173.3(c), EPA, SPCC and NPDES



Wheeled Overpacks

Wheeled Overpack 95



The wheeled Overpack 95 is the first mobile one-piece overpack on wheels that can handle 55 gallon drums. A salvage drum and dolly all in one, it eliminates the need for a separate dolly for transportation. The 95 gallon polyethylene UN rated salvage drum has built-in handles and 6" polyolefin wheels, that allow for easy steering through doorways or around any obstacle

Part #: 1299-YE

Top Diameter: Ext: 31.38" / Int: 27.25", Bottom Diameter: Ext: 25.75" / Int: 24.75"

Height: Ext: 47.5" / Int: 38.5"

Weight: 56lbs

Handling Capacity: 250 lbs

Sump Capacity: 95 gallons

Regulations: UN 1H2/X113/S, DOT 49 CFR 173.3 (c), EPA, SPCC and NPDES



Wheeled Overpack 50



The wheeled Overpack 50 is the first mobile one-piece overpack on wheels that can handle 55 gallon drums. A salvage drum and dolly all in one, they eliminate the need for a separate dolly for transportation. The 50 gallon polyethylene UN rated salvage drum has built-in handles and 6" polyolefin wheels, that allow for easy steering through doorways or around any obstacle

Part #: 1259-YE

Top Diameter: Ext: 23" / Int: 20"

Bottom Diameter: Ext: 18.38" / Int: 17.75"

Height: Ext: 45.38" / Int: 36"

Weight: 47lbs

Handling Capacity: 275 lbs

Sump Capacity: 50 gallons

Regulations: UN 1H2/X125/S, DOT 49 CFR 173.3 (c), EPA, SPCC and NPDES





Poly-Collector 66 (The Indoor System)

The Poly-Collector™ Portable Hazardous Materials Collection Systems put mobility into containment so you can go where the waste is. These caster-mounted containers are built tough from UV-stabilized polyethylene for excellent chemical resistance to a broad range of industrial materials. Both models are equipped with the unique Poly Drum Funnel™ 55 to prevent over-spills while allowing multiple oil filters, pails, and cans to drain at once. Both products are ideal for collecting waste oil, antifreeze and chemicals. The Poly-Collector 110 outer shell holds 105 gallons, with an inner drum that holds 55 gallons. A twist-on lid ensures safe and easy closure. The Poly-Collector 66 poly outer shell holds 66 gallons while the inner drum holds 55 gallons

Part #: 8001-YE (w/Steel Drum) Part #: 8002-YE (w/Poly Drum) Part #: 8075-YE (Shell only)

Part #: 8050-BU (dolly only)

Dimensions:

Top Diameter: Exterior - 32.5" / Interior - 27.13", Bottom Diameter: Exterior - 26.38" / Interior - 25.75"

Height: Ext/steel inner: 42" / Int/steel inner: 29.25", Ext/poly inner: 42.5" / Int/poly inner: 29.25"

Weight: Steel inner: 92 lbs., Poly inner: 78 lbs.

Load Bearing Capacity UDL: 600 lbs.

Sump Capacity: 66 gal.

Regulations: EPA 40 CFR 264.175, SPCC and NPDES

DON'T SEE IT HERE?
**DOESN'T MEAN
WE DON'T CARRY IT**

CONTACT US TODAY!

SPARTANMARINE.CA

INDUSTRIAL SAFETY

Safety Glasses



N-Vision T5655 Series

Flexi-Fit Soft Nose Piece System

The most innovative safety glasses on the market created with the same technology used in aerospace and automotive research and development. The N-Vision T56555 is available with 2 soft Flexi-Fit nose pieces. 4A Coating, Anti-Fog, Anti-Scratch, Anti-Static and Anti-UV at 99.9%. Replacement lenses are available. Other lens colors are also available

Frames		
Lens	Black/Grey	Item #
Clear	T56555B	63110768
Smoke	T56555BS	63110800
Mirror*	T56565BM	63110801
I/O Mirror *	T56565BTCG	63110802
Lens	Grey/Black	Item #
Clear	T56555GRY	63110803
Smoke	T56555GRYS	63110804
Lens	Blue/Grey	Item #
Clear	T56555BL	63110806
Smoke	T56555BLS	63110805

*Mirror and I/O Mirror lenses are not fog free



N-Vision T8000 Series

Prescription Insert will convert the N-Vision T5655, Lightning and Lightning Plus into a prescription safety glass.

Lens	Description	Item #
65RXII	RX Insert	63110810

Note: N-Vision, Lightning and Lightning + glasses sold separately



The Edge

Canada's #1 selling eyewear. Single-piece poly carbonate lens with a 9-based curve for maximum peripheral vision, 4A Coating, Anti-Fog, Anti-Scratch, Anti-Static and Anti-UV at 99.9%, comes complete with 2 sets of temple ends and unique "quick-change" lens replacement system. Replacement lenses available

Frames		
Lens	Black	Item #
Clear	T56005B	63110285
Smoke	T56005BS	63110807
Amber	T56005BA	63110436
Mirror*	T56005BM	63110808
I/O Mirror *	T56005BTCG	63110809
Lens	Grey	Item #
Clear	T56005GRY	63110301
Smoke	T56005GRYS	63110815
Lens	Blue	Item #
Clear	T56005BL	63110816
Smoke	T56005BLS	63110817

*Mirror and I/O Mirror lenses are not fog free



Safesplash 315

Indirect, cap vented goggle for splash situations

Model #	Lens Colour
315	Clear
Body	Item #
Clear	63110007



Visitor

These spectacles offer premium protection to plant visitors, a large lens that provide a wide viewing field and the exclusive interlocking sideshield system offers all-around protection from flying particles. 3A Coating. Meets ANSI Z87.1 and is CSA certified to the current Z94.3 Eye & Face Protector standards

Model #	Lens Colour
90S	Clear
Sideshields Colour	Item #
Clear	63110050



Full Face Protection

With Ratchet adjustment

Model #	Description	Item #
KHG5001	Headgear with protected holding system	63110123

Note: Visor sold separately

Faceshield Visor

North offers the widest variety of faceshields, visors and screens, in all shapes and sizes. Fits any headgear that accepts the universal slot design

Model #	Size (")	Form
A8150/40	8 x 15-1/2	Flat
Material	Item #	
PET-G Copolyester	63110568	

Lens Cleaner



Towelettes

Model #	Description	Item #
T1025T	Lens cleaning towelette - 100/ distributor box	63130128

Silicone Half-Masks



New and improved cradle assembly suspension. Comfortable, lightweight non-allergenic elastometric facepiece. Compatible with all North cartridges and filters. 1 per package

5500

Model #	Description	Item #
550030S	Small half-mask	63110813
550030M	Medium half-mask	63110576
550030L	Large half-mask	63110814

7700

Model #	Description	Item #
770030S	Small half-mask	63110005
770030M	Medium half-mask	63110028
770030L	Large half-mask	63110030

Disposable Ear Plugs



Deci 4200

Model #	Type	NRR
284200UO	Uncorded	31dB
Bag	Quantity	Item #
Cellophane	200/box	63110573



Deci 4200

Model #	Type	NRR
284240CO	Corded	33dB
Bag	Quantity	Item #
Cellophane	100/box	63110210



E-A-R Soft Blasts

63110350



Com-Fit

Model #	Type	NRR
281413	Corded	26dB
Bag	Quantity	Item #
Case	20/box	63110574



DeciDamp2

Model #	Type	NRR
280005	Uncorded	29dB
Bag	Quantity	Item #
Cellophane	200/box	63110115



DeciDamp2

Model #	Type	NRR
280006	Corded	29dB
Bag	Quantity	Item #
Cellophane	100/box	63110811

Hardhats



Everest

Wide brim HDPE hard hat for protection from the sun's harmful UV rays, rain and falling debris. A119R CSA Type 2 / Class E; A49R CSA Type 1 / Class E

Model #	Suspension	Item #
A119R	Ratchet 6pt	63110270



The Peak

Hard hat with accessory slots, rain trough and 4-points nylon suspension. CSA Type 1 / Class E

Model #	Suspension	Item #
A89R	Ratchet	63110772

Safety Clothing



Front



Back

CSA High-Visibility T-Shirt

"V" neck t-shirt with 2 vertical stripes on front "X" on back and a horizontal stripes on each side for TV94TSBC (meets British-Columbia standards). 2" Yellow Retro-Reflective Material on a Bright Orange 100% Cotton Fabric

Available in sizes S to 3XL



Front



Back

CSA High-Visibility Vests

TV52B1/0

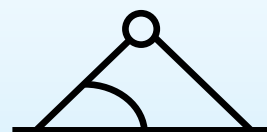
2" Yellow Retro-Reflective Material on a Hi-Viz Orange Polyester Fabric. Meets CSA Table 2A and meets ANSI Class 2, Level 2

One Size Fits All

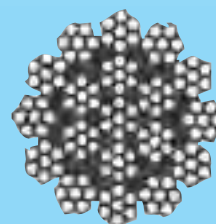
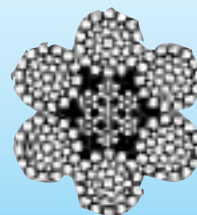
INDUSTRIAL RIGGING

A leading manufacturer and supplier of wire rope and rigging hardware in Atlantic Canada, IMP's rigging staff provides a vast array of products and services

We manufacture lifting assemblies of synthetics, wire rope and chain. We also supply the hardware and accessories including fall arrest and industrial safety products



30°



First Aid

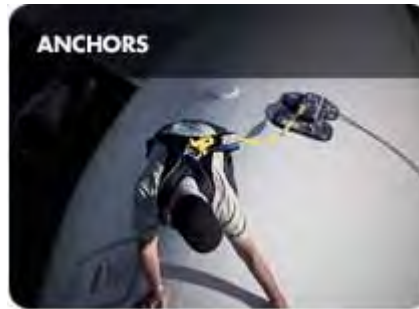


Regulation kits meet or exceed current requirements as stated in the Workman's Compensation Act in accordance with each province. Determine the kit size by the number of people it will service and by what setting it's for. Kits are made of metal and plastic. Refill kits available. Inquire about deluxe kits

List of kits:

- Industrial
- Liferaft
- Lifeboat
- Vehicle
- Universal Precaution
- Deluxe
- Office

Fall Arrest



IMP Group with their suppliers offers an extensive line of fall protection safety equipment, rescue and confined space products in the industry.

Contact our sales representative with your specific fall protection requirements.

Fall Arrest



Utility Products

- Pole Straps
- Belts
- Harnesses
- Retractables
- Lines/Lanyards
- Bags, Holsters & Cases
- Hardware

Construction Products

- Harnesses
- Retractables
- Lines/Lanyards
- Bags Holsters & Cases
- Hardware

Tower & Windmill

- Belts
- Harnesses
- Lines/Lanyards
- Bags Holsters & Cases
- Hardware

Aborist Products

- Belts
- Harnesses
- Retractables
- Lines/Lanyards
- Bags Holsters & Cases
- Hardware

Pole Choker 4



Pole Choker 6



Custom Designed Harnesses



IMP Group with their suppliers offers an extensive line of fall protection safety equipment which includes the Pole Choker 4, Pole Choker 6 and the Linesman Combo Belt. We are also able to offer custom designed fall arrest harnesses to meet our client's needs.

Contact our Sales Representative with your specific fall protection requirements.

WIRE ROPE & RIGGING

Products

Industrial work sites are dangerous places and we understand that in order to make them safer, you need the right equipment. IMP Group Ltd. carries an extensive line of wire rope, chain, nylon web slings, industrial hardware and consumables, certified wire rope assemblies and certified chain assemblies

Services

- Industrial Rigging, Testing and Inspection Services
- Destructive and Non-Destructive Load Testing up to 270,000 lbs.
- Certified Service and Repair Facility
- Industrial Consumables
- Industrial Clothing
- Supply Chain Management

Wire Rope and Rigging

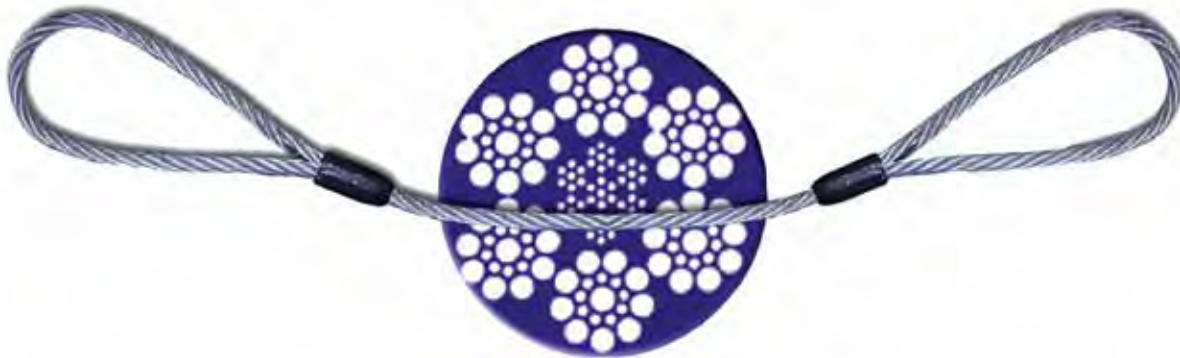
IMP stocks a full range of quality steel wire ropes and fittings needed to assemble virtually any sling and lifting arrangement. Our inventory includes ropes, to various specifications for the industrial, marine, offshore, logging and mining industries

We can put your mind and the industry standard's mind at ease by testing and certifying any of your lifting equipment and accessories. Our 135 ton "National" pull-test machine can handle proof loads up to 270,000 lbs. for testing and certifying wire rope slings, chains, fittings and equipment to meet CSA/ANSI/ASTM regulations

Our 1,500 ton National Swage Press allows us to fabricate mechanically spliced wire rope slings up to 3" in diameter



WIRE ROPE & RIGGING



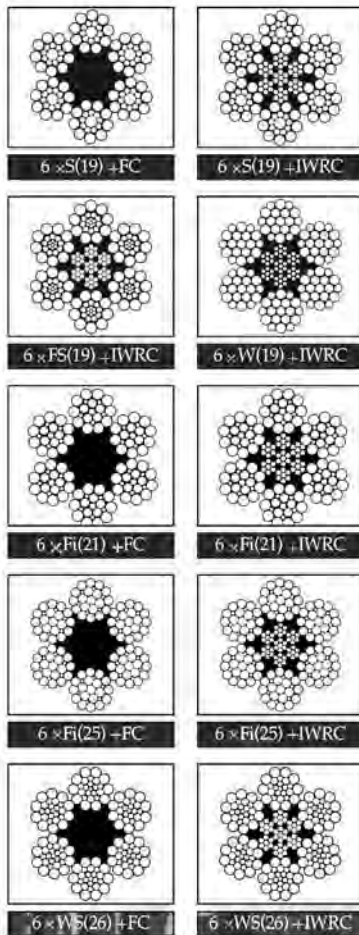
Some of the brand names we carry are:



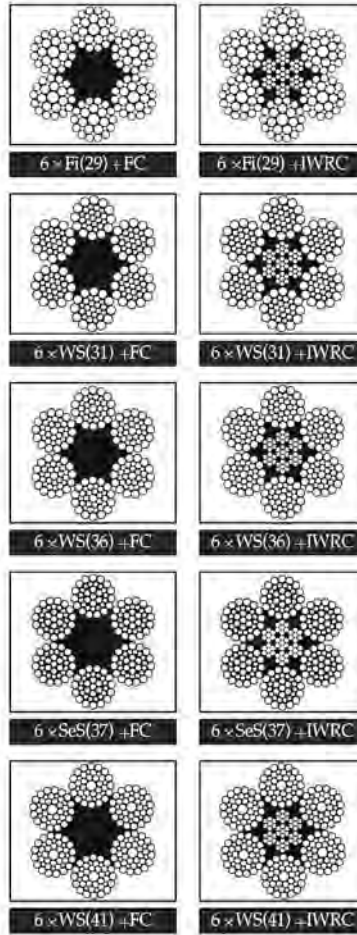
Rope Wire Constructions

• General Wire Rope (Steel and Stainless)

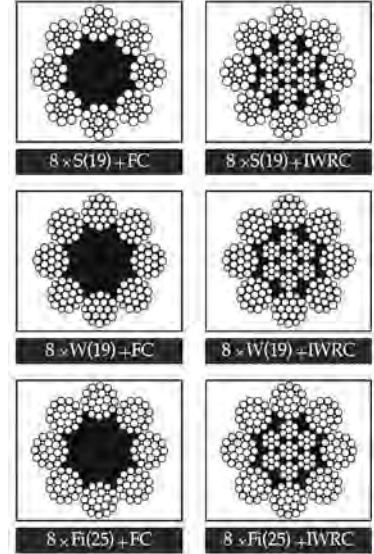
6 x 19 Class Rope



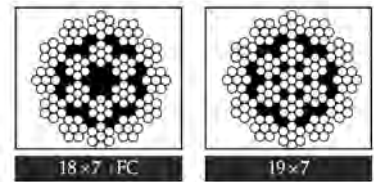
6 x 37 Class Rope



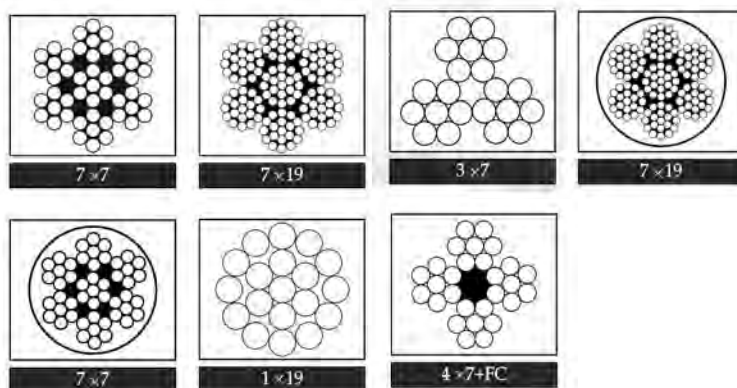
8 x 19 Class Rope



Non-Rotating Rope



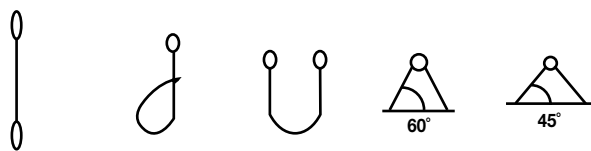
Galvanized Cable



Wire Rope Slings / Ordering Information

1. Determine the maximum load to be lifted.
2. Determine the type of sling needed (single, double, etc.)
3. Estimate the proper angle between the leg of the sling and the load during the operation.
4. Select the proper fittings (hooks, shackles, etc.)
5. Determine the overall reach.
6. Choose Wire Rope that meets your required work load and angle.
7. Wire Rope Slings are available in four commonly purchased styles:
 - Single Leg
 - Double Leg
 - Triple Leg
 - Quadruple Leg
8. Don't forget to order the proper diameter of wire rope, which indicates the lifting capacity.
9. Specify the length in either reach (overall length) or wire length of the sling.

Wire Rope Slings



Diameter (")	Vertical lbs	Choker lbs	Basket lbs	2-Legged	2-Legged
1/4	1300	960	2600	2200	1820
5/16	2000	1480	4000	3400	2800
3/8	2800	2200	5800	5000	4000
7/16	3800	2800	7800	6800	5400
1/2	5000	3800	10200	8800	6200
9/16	6400	4800	12800	11000	9000
5/8	7800	5800	15600	13600	11000
3/4	11200	8200	22000	19400	15800
7/8	15200	11200	30000	26000	22000
1	19600	14400	40000	34000	28000
1-1/8	24000	18200	48000	42000	34000
1-1/4	30000	22000	60000	52000	42000
1-3/8	36000	26000	72000	62000	50000
1-1/2	42000	32000	84000	74000	60000
1-3/4	56000	42000	114000	98000	80000
2	74000	56000	146000	126000	104000
2-1/4	88000	70000	178000	154000	126000
2-1/2	108000	84000	218000	188000	154000

All capacities in tons of 2,000 lbs

Rated Capacities Basket Hitch based on D/d ratio of 25

Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter

Rated Capacities based on a design factor of 5

Horizontal sling angles of less than 30 degrees are not recommended

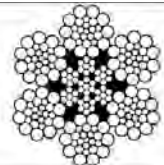
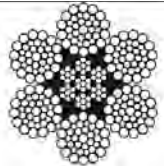
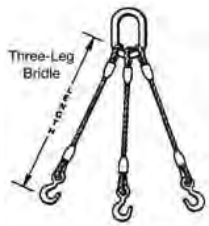
Working Load Limit, based on standard carbon fittings unless noted otherwise

Based on ASME Spec. B30.9 latest revision

CAUTION: DO NOT EXCEED RATED CAPACITIES



Wire Rope Slings



Diameter	3-Legged	3-Legged	4-Legged	4-Legged
1/4	3400	2800	4400	3600
5/16	5200	4200	7000	5600
3/8	7400	6000	10000	8200
7/16	10000	8200	13400	11000
1/2	13200	10800	17600	14200
9/16	16600	13600	22000	18000
5/8	20000	16600	28000	22000
3/4	30000	24000	38000	32000
7/8	40000	32000	52000	42000
1	52000	42000	68000	56000
1-1/8	62000	52000	84000	68000
1-1/4	76000	62000	102000	84000
1-3/8	92000	76000	124000	100000
1-1/2	110000	90000	146000	120000
1-3/4	148000	120000	196000	160000
2	190000	156000	254000	208000

All capacities in tons of 2,000 lbs

Rated Capacities Basket Hitch based on D/d ratio of 25

Rated Capacities based on pin diameter no larger than natural eye width or less than the nominal sling diameter

Rated Capacities based on a design factor of 5

Horizontal sling angles of less than 30 degrees are not recommended

Working Load Limit, based on standard carbon fittings unless noted otherwise

Based on ASME Spec. B30.9 latest revision

CAUTION: DO NOT EXCEED RATED CAPACITIES



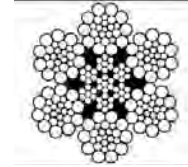
Wire Rope

Diameter	Construction	Core	Finish	Breaking Strength (tons)	Item Number
1/4	6X26	IWRC	GALV.	3.40	12200093
5/16	6X26	IWRC	GALV.	5.27	12200094
3/8	6X26	IWRC	GALV.	7.55	12200012
7/16	6X26	IWRC	GALV.	10.20	12200095
1/2	6X26	IWRC	GALV.	13.30	12200029
9/16	6X26	IWRC	GALV.	16.80	12200073
5/8	6X26	IWRC	GALV.	20.60	12200010
3/4	6X26	IWRC	GALV.	29.40	12200031
7/8	6X26	IWRC	GALV.	39.80	12200040
1	6X26	IWRC	GALV.	51.70	12200081
1-1/8	6X26	IWRC	GALV.	65.00	12200055
1-1/4	6X26	IWRC	GALV.	79.90	12200096
1-1/2	6X26	IWRC	GALV.	114.00	12150026

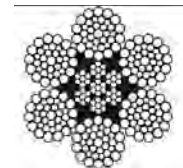
Diameter	Construction	Core	Finish	Breaking Strength (tons)	Item Number
1/4	6X36	IWRC	GALV.	3.40	12160030
5/16	6X36	IWRC	GALV.	5.27	12160031
3/8	6X36	IWRC	GALV.	7.55	12160013
7/16	6X36	IWRC	GALV.	10.20	12160058
1/2	6X36	IWRC	GALV.	13.30	12160005
9/16	6X36	IWRC	GALV.	16.80	12160059
5/8	6X36	IWRC	GALV.	20.60	12160014
3/4	6X36	IWRC	GALV.	29.40	12160012
7/8	6X36	IWRC	GALV.	39.80	12160016
1	6X36	IWRC	GALV.	51.70	12160004
1-1/8	6X36	IWRC	GALV.	65.00	12160027
1-1/4	6X36	IWRC	GALV.	79.90	12160002
1-1/2	6X36	IWRC	GALV.	114.00	12160001

Diameter	Construction	Core	Finish	Breaking Strength (tons)	Item Number
1/4	19 X 7	IWRC	GALV.	2.77	12180037
5/16	19 X 7	IWRC	GALV.	4.30	12180035
3/8	19 X 7	IWRC	GALV.	6.15	12180017
7/16	19 X 7	IWRC	GALV.	8.33	12180018
1/2	19 X 7	IWRC	GALV.	10.80	12180009
9/16	19 X 7	IWRC	GALV.	13.60	12180016
5/8	19 X 7	IWRC	GALV.	16.80	12180021
3/4	19 X 7	IWRC	GALV.	24.00	12180012
7/8	19 X 7	IWRC	GALV.	32.50	12180008
1	19 X 7	IWRC	GALV.	42.20	12180014

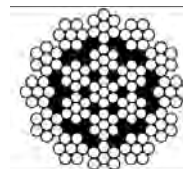
General Purpose (6 x 26 Galvanized IWRC)



General Purpose (6 x 36 Galvanized IWRC)



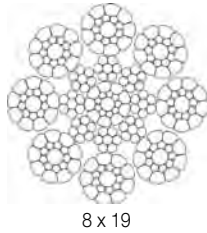
Non-Rotating (19 x 7 Galvanized IWRC)



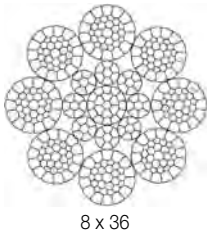
Wire Rope



Demag Crane Ropes



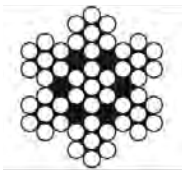
8 x 19



8 x 36

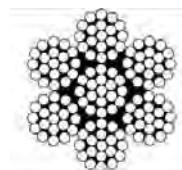
Dia. (Metric)	Construction	Lay	Core	Finish	Breaking Strength (lbs)	Item Number
6.2 mm	8 x 19	Left	IWRC	GALV.	7000	12160102
6.2 mm	8 x 19	Right	IWRC	GALV.	7000	12160109
8 mm	8 x 19	Left	IWRC	GALV.	10000	12160103
8 mm	8 x 19	Right	IWRC	GALV.	10000	12160104
9 mm	8 x 19	Left	IWRC	GALV.	13200	12160110
9 mm	8 x 19	Right	IWRC	GALV.	13200	12160115
10 mm	8 x 19	Left	IWRC	GALV.	15600	12160116
10 mm	8 x 19	Right	IWRC	GALV.	15600	12160117
11 mm	8 x 36	Left	IWRC	GALV.	19000	12160111
11 mm	8 x 36	Right	IWRC	GALV.	19000	12160110
15 mm	8 x 36	Left	IWRC	GALV.	36800	12160113
15 mm	8 x 36	Right	IWRC	GALV.	36800	12160114

Aircraft Cable



Diameter	Construction	Core	Finish	Breaking Strength (lbs)	Item Number
1/16	7 X 7	IWRC	GALV.	480	12110001
1/8	7 X 7	IWRC	GALV.	1700	12110006
5/32	7 X 7	IWRC	GALV.	2600	12110021
3/16	7 X 19	IWRC	GALV.	4200	12120008
1/4	7 X 19	IWRC	GALV.	7000	12120007
5/16	7 X 19	IWRC	GALV.	9800	12120010
3/8	7 X 19	IWRC	GALV.	14400	12120009

Stainless Steel Aircraft Cable



Diameter	Construction	Core	Finish	Breaking Strength (lbs)	Item Number
1/16	7 X 7	IWRC	Stainless	480	12110002
1/8	7 X 19	IWRC	Stainless	1700	12120003
5/32	7 X 19	IWRC	Stainless	2400	12120029
3/16	7 X 19	IWRC	Stainless	3700	12120018
1/4	7 X 19	IWRC	Stainless	6400	12120002
5/16	7 X 19	IWRC	Stainless	9000	12120019
3/8	7 X 19	IWRC	Stainless	12000	12120004



Trawl Warps and Purse Wires

DYFORM® Starfish

High strength and proven extended ropelife - preventing core corrosion and maintaining design diameter



BRIDON

6x26 (10/5&5/5/1) Poly Core



Poly Core

Diameter (mm)	Weight (Kg/100mtr)	Minimum breaking load (Tonnes)	Minimum breaking load (kN)
16	103.3	17.1	168
18	129.1	21.6	212
20	159.7	26.7	262
22	191.7	32.3	317
24	224.8	38.5	377
26	271.5	45.1	443
28	317.4	52.4	514
30	357.3	60.1	590
32	408.8	68.4	671
34	468.2	77.2	757
36	514.5	86.6	849
38	578.6	96.4	946
40	635.2	106.9	1048
42	700.3	117.8	1155
44	768.5	129.3	1268

DYFORM®

High strength - smooth periphery for reduced pulley wear



6x26 (10/5&5/5/1) Poly Core

Poly Core

Diameter (mm)	Weight (Kg/100mtr)	Minimum breaking load (Tonnes)	Minimum breaking load (kN)
16	103.3	17.1	168
18	129.1	21.6	212
20	159.7	26.7	262
22	191.7	32.3	317
24	224.8	38.5	377
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28	317.4	52.4	514
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32	408.8	68.4	671
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36	514.5	86.6	849
38	578.6	96.4	946
40	635.2	106.9	1048
42	700.3	117.8	1155
44	768.5	129.3	1268

6x26 (10/5&5/5/1) IWRC



Poly Core

Diameter (mm)	Weight (Kg/100mtr)	Minimum breaking load (Tonnes)	Minimum breaking load (kN)
16	115.5	19.1	187
18	145.3	24.1	237
20	183	29.8	292
22	216.6	36.0	353
24	254.7	42.9	420
26	307.2	50.3	493
28	351.7	58.4	572
30	403.8	67.0	657
32	461.1	76.2	748
34	527.2	86.0	844
36	599.4	96.5	946
38	661.1	107.5	1054
40	725.4	119.1	1168
42	799.3	131.3	1288
44	838	144.1	1413

6x26 (10/5&5/5/1) IWRC



Poly Core

Diameter (mm)	Weight (Kg/100mtr)	Minimum breaking load (Tonnes)	Minimum breaking load (kN)
16	115.5	19.1	187
18	145.3	24.1	237
20	183	29.8	292
22	216.6	36.0	353
24	254.7	42.9	420
26	307.2	50.3	493
28	351.7	58.4	572
30	403.8	67.0	657
32	461.1	76.2	748
34	527.2	86.0	844
36	599.4	96.5	946
38	661.1	107.5	1054
40	725.4	119.1	1168
42	799.3	131.3	1288
44	838	144.1	1413

WIRE ROPE & RIGGING

DYFORM® Seapurse

Specially designed purse wires with large outer wires for increased abrasion resistance and a smooth surface suitable for purse rings.



6x19 (9/9/1) Poly Core

Poly Core

Diameter (mm)	Weight (Kg/100mtr)	Minimum breaking load (Tonnes)	Minimum breaking load (kN)
20	160.2	26.5	260
22	192.7	32.1	315
24	231.1	38.2	374
26	269.1	44.8	439
28	310.5	52.0	510
30	358.5	59.7	585

6x26 (9/9/1) Poly Core

Poly Core

Diameter (mm)	Weight (Kg/100mtr)	Minimum breaking load (Tonnes)	Minimum breaking load (kN)
20	159.7	26.7	262
22	191.7	32.3	317
24	224.8	38.5	377
26	271.5	45.1	443
28	317.4	52.4	514
30	357.3	60.1	590



Marblue

Large outer wires for increased wear and abrasion resistance



6x19 (9/9/1) Poly Core

Poly Core

Diameter (mm)	Weight (Kg/100mtr)	Minimum breaking load (Tonnes)	Minimum breaking load (kN)
16	90.9	14.9	146
18	116.8	18.8	185
20	144.2	23.2	228
22	175.1	28.1	276
24	205.4	33.5	328
26	241.4	39.3	385
27	261.8	42.4	416
28	279.2	45.6	447
30	315.6	52.3	513
32	370	59.5	584

6x19 (9/9/1) IWRC

Steel Core

Diameter (mm)	Weight (Kg/100mtr)	Minimum breaking load (Tonnes)	Minimum breaking load (kN)
16	102	16.1	157
18	128.9	20.3	199
20	164.6	25.1	246
22	199.7	30.4	298
24	235.4	36.1	354
26	276.9	42.4	416
27	294.9	45.7	448
28	318.9	49.2	482
30	383.2	56.4	554
32	411	64.2	630



Seabeam

Proven design for all Beam Trawling applications



6x26 (10/5&5/5/1) Poly Core

Poly Core

Diameter (mm)	Weight (Kg/100mtr)	Minimum breaking load (Tonnes)	Minimum breaking load (kN)
22	90.9	14.9	146
24	116.8	18.8	185
26	144.2	23.2	228
28	175.1	28.1	276
30	205.4	33.5	328
32	241.4	39.3	385

6x26 (10/5&5/5/1) IWRC

Steel Core

Diameter (mm)	Weight (Kg/100mtr)	Minimum breaking load (Tonnes)	Minimum breaking load (kN)
22	199.4	27.6	271
24	236.5	32.9	323
26	276.2	38.6	379
28	320.5	44.8	439
30	369.7	51.4	504
32	415	58.5	573



LIFTING HARDWARE

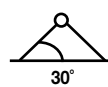
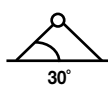
Chain Slings / Ordering Information

1. Determine the maximum load to be lifted.
2. Determine the type of sling needed (single, double, etc.)
3. Estimate the proper angle between the leg of the sling and the load during the operation.
4. Select the proper fittings (hooks, shackles, etc.)
5. Determine the overall reach. (measured from bearing point on masterlink to bearing point on fitting).
6. Choose a chain size that meets your required work load and angle.
7. Wire Rope Slings are available in four commonly purchased styles:
 - Single Leg
 - Double Leg
 - Triple Leg
 - Quadruple Leg
8. Don't forget to order the proper diameter of chain, which indicates the lifting capacity.
9. Specify the length in either reach (overall length) or chain length of the sling.

CAUTION: DO NOT EXCEED RATED CAPACITIES

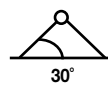
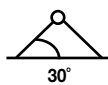
Alloy Chain Slings

Grade 80



Chain Size	Vertical Lbs	2-Legged	2-Legged	2-Legged	3-Legged 4-Legged	3-Legged 4-Legged	3-Legged 4-Legged
1/4	3500	6100	4900	3500	9100	7400	5200
3/8	7100	12300	10000	7100	18400	15100	10600
1/2	12000	20800	17000	12000	31200	25500	18000
5/8	18100	31300	25600	18100	47000	38400	27100
3/4	28300	49000	40000	28300	73500	60000	42400
7/8	34200	59200	48400	34200	88900	72500	51300
1	47700	82600	67400	47700	123900	101200	71500
1-1/4	72300	125200	102200	72300	187800	153400	108400

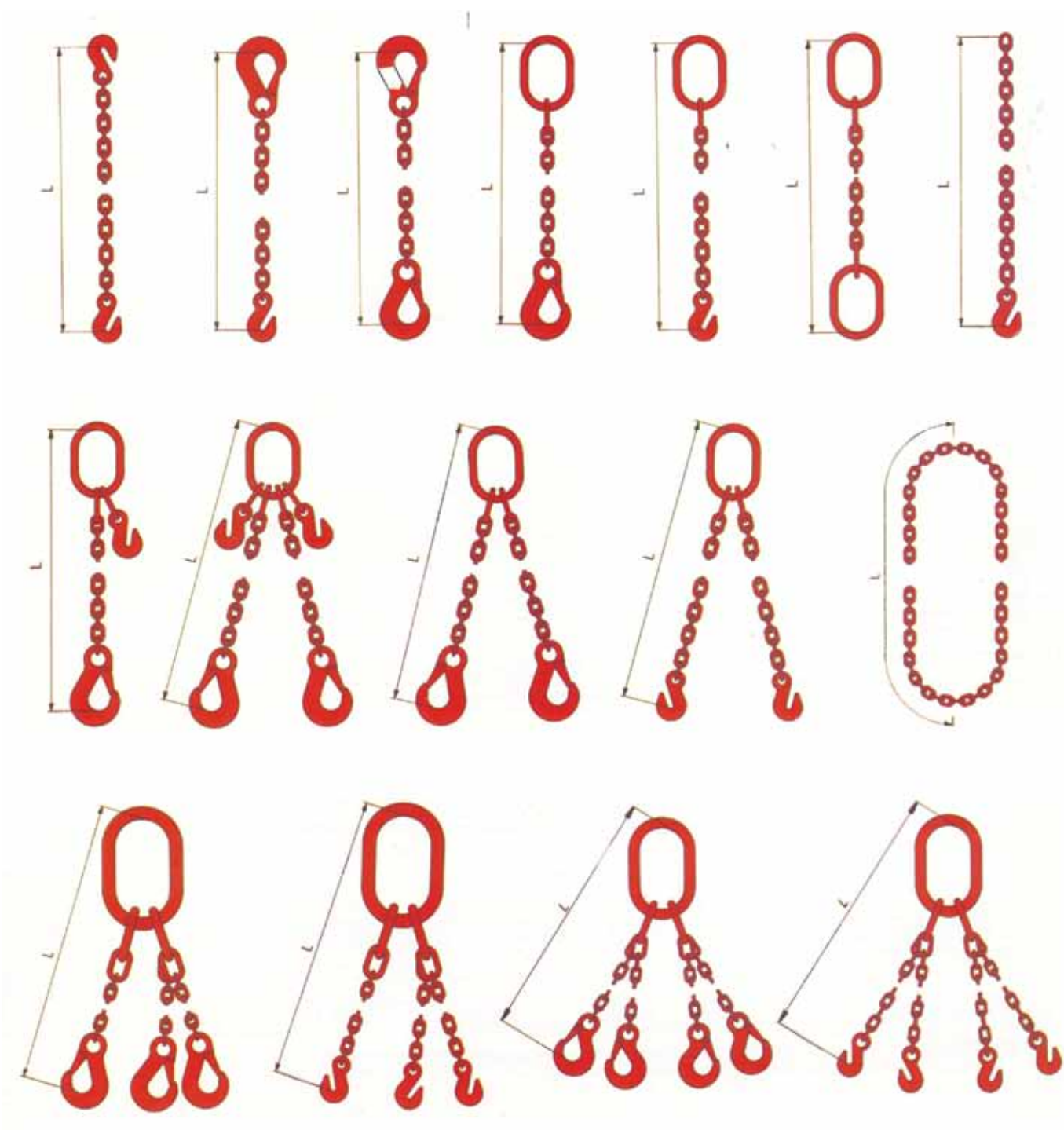
Grade 100



Chain Size	Vertical Lbs	2-Legged	2-Legged	2-Legged	3-Legged 4-Legged	3-Legged 4-Legged	3-Legged 4-Legged
5/16	5700	9900	8100	5700	14800	12100	8500
3/8	8800	15200	12400	8800	22900	18700	13200
1/2	15000	26000	21200	15000	39000	31800	22500
5/8	22600	39100	32000	22600	58700	47900	33900

- All capacities in lbs
- Rated Capacities based on a design factor of 4
- Based on ASME Spec. B30.9 latest revision

Chain Sling Styles



GUNNEBO JOHNSON

CORPORATION



2-Leg Adjustable Sling
7 Top Fittings Needed



GrabiQ 2-Leg Adjustable Sling
Only 1 Top Fitting Need



4-Leg Fully Adjustable Sling
15 Top Fittings Needed



GrabiQ 4-Leg Fully Adjustable Sling
3 Top Fittings Needed

Advantages

- Never more than 3 fittings at the top of the chain sling
- True Grade 100 for increased capacity
- About 25% more than Grade 80
- Reduced sling weight in most cases
- Reduced clutter to simplify rigging
- Meets or exceeds all applicable standards of quality and safety
- Built-in shortening pockets available for every leg
- More flexibility for riggers
- Quicker inspections
- Distinctive colors to easily determine grade
- Fewer bearing points for reduced wear and increased sling life

Chain



Grade 80

Chain Size	Working Load Limit	Item Number
9/32	3500	09010058
5/16	4500	09010016
3/8	7100	09010001
1/2	12000	09010003
5/8	18100	09010008
3/4	28300	09010019
7/8	34200	09010077

Grade 100

Chain Size	Working Load Limit	Item Number
5/16	5700	33070001
3/8	8800	33070002
1/2	15000	33070003
5/8	22600	33070050

Grade 70 (Transport Chain)



Chain Size	Working Load Limit	Item Number
5/16	4700	09010073
3/8	6600	09010071
1/2	11300	09010072

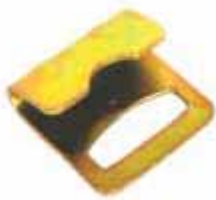
Tie Down Strapping Assemblies



Description	Reach (ft)	WLL (lbs)	Item Number
1" Ratchet Assembly c/w wire hooks	20	1000	33040561
2" Ratchet strap assembly c/w wire hooks	20	3333	33040562
2" Ratchet strap assembly c/w flat hooks	20	3333	33040563
3" Winch strap assembly c/w 3" wire hooks	30	5000	33040564
3" Winch strap assembly c/w 3" flat hooks	30	5000	33040565
3" Tie down Winch strap c/w chain anchor	30	5000	33040566
4" Winch strap assembly c/w 3" flat hooks	30	6000	33040567
4" Winch strap c/w chain anchor	30	6600	33040568



Wire Hook



Flat Hook



Tail Chain

Load Binders



Ratchet Load Binder

Size	Working Load	Proof Load (lbs)	Take Up (")	Item Number
5/16 - 3/8	8800	17600	8.0	40040026
3/8 - 1/2	15000	30000	8.0	40040029
1/2 - 5/8	16000	32000	8.0	40040001



Lever Load Binder

Size	Working Load	Proof Load (lbs)	Take Up (")	Item Number
5/16 - 3/8	5400	10800	4.5	40040024
3/8 - 1/2	9200	18400	4.5	40040025
1/2 - 5/8	13000	26000	4.75	40040023

Web Slings

Flat Eye & Eye Sling (Type 3)

The Eye is formed by folding back the webbing and sewing it flat against the body

Twisted Eye & Eye Sling (Type 4)

The webbing is turned 180 Degrees before sewing, to form an eye which lies 90 Degrees to the sling body. This allows for easier use in a choker hitch configuration

Double Ply • Class 7 • Type 3 & 4

Stock Code#	Width (Inches)	Vertical Capacity	Choker Capacity	Basket Capacity
Single Ply				
EE1-901	1	1600	1200	3200
EE1-902	2	3200	2400	6400
EE1-903	3	4800	3600	9600
EE1-904	4	6400	4800	12800
EE1-905	5	8000	6000	16000
EE1-906	6	9600	7200	19200
EE1-908	8	12800	9600	25600
EE1-910	10	16000	12000	32000
EE1-912	12	19200	14400	38400
Double Ply				
EE2-901	1	3000	2250	6000
EE2-902	2i	5600	4200	11200
EE2-903	3	8000	6000	16000
EE2-904	4	10000	7500	20000
EE2-905	5	13000	9750	26000
EE2-906	6	16000	12000	32000
EE2-908	8	20000	15000	40000
EE2-910	10	24000	18000	48000
EE2-912	12	28800	21600	57600



Rated Capacities in Pounds (Safe Working Loads) **Note: The above rated capacities are based on a design factor of 5:1

Double Ply • Class 7 • Type 3

	Item Number	Item Number	Item Number	Item Number
Length (ft)	Width 1	Width 2	Width 3	Width 4
2	64010097	64010073	64010688	64010714
4	64010105	64010099	64010690	64010716
6	64010116	64010120	64010007	64010718
8	64010117	64010100	64010693	64010111
10	64010118	64010122	64010695	64010011
12	64010648	64010014	64010113	64010015
16	64010652	64010674	64010102	64010725
18	64010654	64010676	64010701	64010727
20	65010656	64010677	64010703	64010016
25	65010661	64010682	64010708	64010733
30	65010666	64010687	64010713	64010738



Contact a Sales Representative for additional Types, Widths, and Lengths available

CAUTION: DO NOT EXCEED RATED CAPACITIES

Endless or Grommet Sling (Type 5)

The webbing is overlapped at the stitch pattern to form a continuous or endless sling. Areas of hook contact may be tapered or reinforced to provide longer life



Double Ply • Class 7 • Type 5 Endless

Stock Code#	Width (Inches)	Vertical Capacity	Choker Capacity	Basket Capacity
Single Ply				
EN1-901	1	3000	2250	6000
EN1-902	2	5600	4200	11200
EN1-903	3	8500	6375	17000
EE1-904	4	10800	8100	21600
EN1-905	5	13000	9750	26000
EN1-906	6	16000	12000	32000
EN1-908	8	21000	15750	42000
EN1-910	10	26000	19500	52000
EN1-912	12	31000	23250	62000
Double Ply				
EN2-901	1	5700	4275	11400
EN2-902	2	10500	7875	21000
EN2-903	3	14750	11000	29500
EN2-904	4	19000	14250	38000
EN2-905	5	24000	18000	48000
EN2-906	6	30000	22500	60000
EN2-908	8	34000	25500	68000
EN2-910	10	38000	28500	76000
EN2-912	12	43750	32800	87500

Rated Capacities in Pounds (Safe Working Loads) **Note: The above rated capacities are based on a design factor of 5:1

Double Ply • Class 7 • Type 5 Endless



Length (ft)	Item Number	Item Number
	Width 1	Width 2
2	64010595	64010621
4	64010258	64010106
6	64010107	64010108
8	64010109	64010110
10	64010600	64010103
12	64010602	64010626
16	64010606	64010630
18	64010608	64010632
20	64010610	64010634
25	64010615	64010639
30	64010620	64010644

Contact a Sales Representative for additional Types, Widths, and Lengths available

CAUTION: DO NOT EXCEED RATED CAPACITIES

Blocks

Wooden Blocks

Single

Shell Size (")	Rope Diameter (")	Working Load Limit (lbs)	Item Number
3	3/8	500	53050033
4	1/2	1000	53050034
5	5/8	1200	53050035
6	3/4	1800	53050036
8	1	2800	53050038



Double

Shell Size (")	Rope Diameter (")	Working Load Limit (lbs)	Item Number
3	3/8	800	53050026
4	1/2	1400	53050027
5	5/8	1800	53050028
6	3/4	2500	53050029
8	1	3800	53050031



Snatch Blocks

Snatch Block w/Hook

Wire Diameter (")	Sheave Size (")	Working Load Limit (lbs)	Item Number
5/16 – 3/8	3	4000	53020141
3/8 – 1/2	4	8000	53020171
5/8 - 3/4	6	16000	53020042
5/8 – 3/4	8	16000	53020172

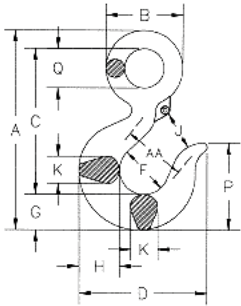


Snatch Block w/Shackle

Wire Diameter (")	Sheave Size (")	Working Load Limit (lbs)	Item Number
5/16 – 3/8	3	4000	53040208
3/8 – 1/2	4	8000	53040115
5/8 - 3/4	6	16000	53040194
5/8 – 3/4	8	16000	53040196

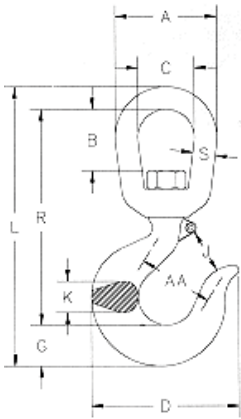


Hooks



Working Load Limit (Tons)	Dim. A (")	Dim. D (")	Dim. J (")	Dim. O (")	Item Number
3/4	3.34	2.83	.90	.89	25150170
1	3.81	3.11	.93	.91	25150048
1.5	4.14	3.53	1.00	1.00	25150049
2	4.69	3.97	1.13	1.09	25150036
3	5.77	4.81	1.47	1.36	25150050
5	7.37	6.27	1.75	1.61	25150098
7.5	9.07	7.45	2.29	2.08	25150184

Swivel Hook



Working Load Limit (Tons)	Dim. L (")	Dim. D (")	Dim. J (")	Dim. B (")	Item Number
3/4	5.66	2.86	.93	.82	25180033
1	6.71	3.15	.97	1.31	25180025
1.5	7.75	3.59	1.06	1.50	25180026
2	8.25	4.00	1.19	1.50	25180027
3	9.69	4.84	1.50	1.64	25180036
5	12.47	6.28	1.78	2.29	25180029
7.5	14.75	7.54	2.41	2.53	25180042



Clevis Grab Hook

Chain Size	Working Load Limit	Item Number
1/4	3500	25090039
3/8	7100	25090002
1/2	12000	25090001
5/8	18100	25090040
3/4	28300	25090005



Clevis Sling Hook

Chain Size	Working Load Limit	Item Number
1/4	3500	25150033
3/8	7100	25150034
1/2	12000	25150035
5/8	18100	25150057
3/4	28300	25150124



Clevis Chain Hook c/w Latch

Chain Size	Working Load Limit	Item Number
1/4	4500	25090127
3/8	7100	25090116
1/2	12000	25090102
5/8	18100	25090145

Safety Hook BK Type

Chain Size	Working Load Limit	Item Number
9/32	4300	25070118
5/16	5700	25070067
3/8	8800	25070049
1/2	15000	25070053
5/8	22600	25140017



Safety Hook OBK Type

Chain Size	Working Load Limit	Item Number
9/32	4300	25150288
5/16	5700	25150289
3/8	8800	25150290
1/2	15000	25150291
5/8	22600	25150292



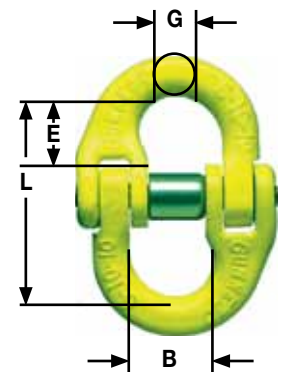
Safety Swivel Hook OBK Type BKL

Chain Size	Working Load Limit	Item Number
9/32	4300	25070128
5/16	5700	25070129
3/8	8800	25070102
1/2	15000	25070114
5/8	22600	25070005

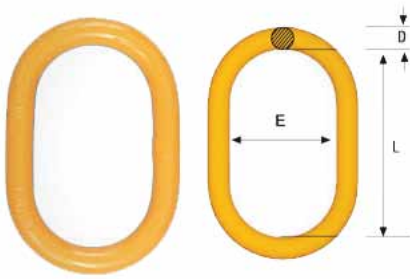


Alloy Coupling Links

Chain Size	Working Load Limit (lbs)	Dimension L	Dimension B	Dimension G	Dimension E	Item Number
9/32	3500	2.2	.71	.35	.87	28020143
5/16	4500	2.2	.71	.35	.87	28020144
3/8	7100	2.7	.99	.47	1.0	28010104
1/2	12000	3.5	1.1	.59	1.3	28010105
5/8	18100	4.1	1.4	.75	1.6	28010106
3/4	28300	4.9	1.7	.87	1.9	28010107
7/8	34200	5.9	1.9	.95	2.3	28010244

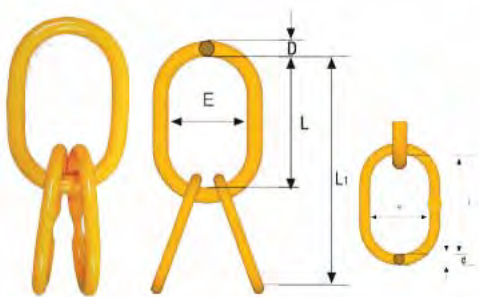


Master links



Oblong Master links

Trade Size	Working Load Limit (lbs)	Dim. D (")	Dim. E (")	Dim. L (")	Item Number
3/8	3000	.43	2.4	3.9	28020161
1/2	7000	.55	2.8	4.7	28020088
5/8	11400	.67	3.1	5.5	28020084
3/4	12300	.75	3.5	5.9	28020085
7/8	17200	.87	3.7	6.3	28020132
1	29900	1.0	4.3	7.5	28020089
1-1/4	35200	1.2	4.7	7.9	28020087
1-3/8	45300	1.3	5.5	9.4	28020141
1-1/2	68000	1.5	5.9	9.8	28020146
1-3/4	84900	1.8	7.1	11.8	28020147
2	102600	2.0	7.9	11.8	28020123



Oblong Master links with Sub Assemblies

Trade Size	Working Load Limit (lbs)	Dim. D (")	Dim. E (")	Dim. L (")	Dim. L1 (")	Dim. I (")	Dim. b (")	Dim. d (")	Item Number
3/4	11000	.75	3.5	5.9	10.6	4.7	2.8	.55	28020062
7/8	17600	.87	3.7	6.3	11.8	5.5	3.1	.67	28020065
1	21300	1.0	4.3	7.5	13.4	5.9	3.5	.75	28020142
1-1/4	35200	1.2	4.7	7.9	14.2	6.3	3.7	.87	64030002
1-5/8	57200	1.6	5.9	9.8	17.7	7.9	4.7	1.2	28020048
2	77000	2.0	7.9	11.8	19.7	7.9	4.7	1.3	28020053

Wire Rope Clips

Forged Wire Rope Clips

Wire Rope Size	Min. No. of Amt. Clips	Amt. of Wire Rope to Turn Back (")	Torque in Ft. Lbs	Item Number
1/8	2	3-1/4	4.5	12030142
3/16	2	3-3/4	7.5	12030125
1/4	2	4-3/4	15	12030099
5/16	2	5-1/4	30	12030064
3/8	2	6-1/2	45	12030065
7/16	2	7	65	12030161
1/2	3	11-1/2	65	12030067
9/16	3	12	95	12030147
5/8	3	12	95	12030100
3/4	4	18	130	12030070
7/8	4	19	225	12030071
1	5	26	225	12030072
1-1/8	6	34	225	12030129
1-1/4	7	44	360	12030162
1-3/8	7	44	360	12030163
1-1/2	8	54	360	12030150



Malleable Wire Rope Clips

Wire Rope Size	Min. No. of Amt. Clips	Amt. of Wire Rope to Turn Back (")	Torque in Ft. Lbs	Item Number
1/8	3	4-3/4	4.5	12030052
3/16	3	5-1/2	4.5	12030053
1/4	3	7	15	12030054
5/16	3	7-3/4	15	12030055
3/8	3	9-1/2	30	12030007
1/2	4	15-1/4	45	12030005
5/8	4	16	75	12030008
3/4	5	22-1/4	75	12030006
7/8	5	23-1/2	130	12030060
1	6	31	130	12030004



Thimbles

Rope Dia (")	Item Number
1/4	38020030
5/16	38020015
3/8	38020049
7/16	38020025
1/2 - 9/16	38020023
5/8	38020032
3/4	38020024
7/8	38020058
1	38020083
1-1/8 - 1-1/4	38020052
1-1/4 - 1-3/8	38020062
1-3/8 - 1-1/2	38020063





Thread Dia. x Take-up (")	WLL (lbs)	Hook & Hook	Hook & Eye	Eye & Eye
		Item #	Item #	Item #
1/4 x 4	500	43060088	43060030	43060131
5/16 x 4-1/2	800	43060098	43060015	43060070
3/8 x 6	1200	43060116	43060032	43060071
1/2 x 6	2200	43060097	43060033	43060096
1/2 x 9	2200	43060095	*	*
1/2 x 12	2200	43060117	43060125	43060132
5/8 x 6	3500	43060118	43060034	43060133
5/8 x 9	3500	*	*	*
5/8 x 12	3500	43060119	43060126	43060134
3/4 x 6	5200	43060120	43060127	43060135
3/4 x 9	5200	*	*	*
3/4 x 12	5200	43060121	43060102	43060136
3/4 x 18	5200	43060122	43060128	43060137
7/8 x 6	*	*	*	*
7/8 x 12	7200	43060123	43060129	43060152
7/8 x 18	7200	*	*	43060153
1 x 6	10000	*	*	43060138
1 x 12	10000	43060124	43060130	43060104
1 x 18	10000	*	*	43060139
1 x 24	10000	*	*	43060140
1-1/8 x 6	*	*	*	*
1-1/4 x 6	*	*	*	*
1-1/4 x 12	15200	*	*	43060141
1-1/4 x 18	15200	*	*	43060142
1-1/4 x 24	15200	*	*	43060143
1-1/2 x 12	21400	*	*	*
1-1/2 x 18	21400	*	*	*
1-1/2 x 24	21400	*	*	*
1-3/4 x 18	28000	*	*	43060147
1-3/4 x 24	28000	*	*	43060148
2 x 24	37000	*	*	43060149
2-1/2 x 24	*	*	*	43060150
2-3/4 x 24	*	*	*	43060151

All turnbuckles available assembled with locknuts for additional charge. Turnbuckles assembled with locknuts will have longer lead time

All End Fittings Quenched & Tempered; All Bodies Heat Treated By Normalizing ***Special Order**



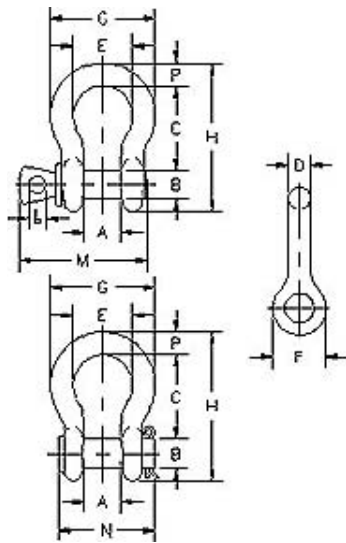
Thread Dia. x Take-up (")	WLL (lbs)	HG-227 Jaw & Eye	HG-228 Jaw & Jaw	HS-251 Stub End
		Item #	Item #	Item #
1/4 x 4	500	43060155	43040015	*
5/16 x 4-1/2	800	43060157	43040074	*
3/8 x 6	1200	43060091	43040035	43040204
1/2 x 6	2200	43060160	43040044	43040205
1/2 x 9	2200	43060089	43040030	*
1/2 x 12	2200	43060163	43040105	*
5/8 x 6	3500	43060164	43040037	43040206
5/8 x 9	3500	43060166	43040038	*
5/8 x 12	3500	43060168	43040049	*
3/4 x 6	5200	43060169	43040102	43040207
3/4 x 9	5200	43060171	43040043	*
3/4 x 12	5200	43060172	43040053	*
3/4 x 18	5200	43060174	43040182	*
7/8 x 6	*	*	*	43040208
7/8 x 12	7200	43060201	43040076	*
7/8 x 18	7200	43060203	43040183	*
1 x 6	10000	43060175	43040112	3040209
1 x 12	10000	43060176	43040099	43040210
1 x 18	10000	43060178	43040111	*
1 x 24	10000	43060180	43040184	*
1-1/8 x 6	*	*	*	43040211
1-1/4 x 6	*	*	*	43040212
1-1/4 12	15200	43060181	43040185	43040213
1-1/4 18	15200	43060183	43040071	*
1-1/4 24	15200	43060185	43040116	*
1-1/2 x 12	21400	43060187	43040186	43040214
1-1/2 x 18	21400	43060189	43040187	*
1-1/2 x 24	21400	43060092	43040188	*
1-3/4 x 18	28000	43060191	43040189	*
1-3/4 x 24	28000	43060193	43040190	*
2 x 24	37000	43060195	43040191	*
2-1/2 x 24	*	43060197	43040192	*
2-3/4 x 24	*	43060199	43040193	*

All turnbuckles available assembled with locknuts for additional charge. Turnbuckles assembled with locknuts will have longer lead time

All End Fittings Quenched & Tempered; All Bodies Heat Treated By Normalizing

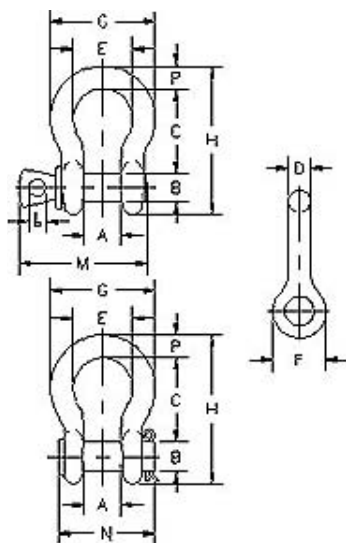
***Special Order**

Shackles



Screw Pin Anchor Shackles

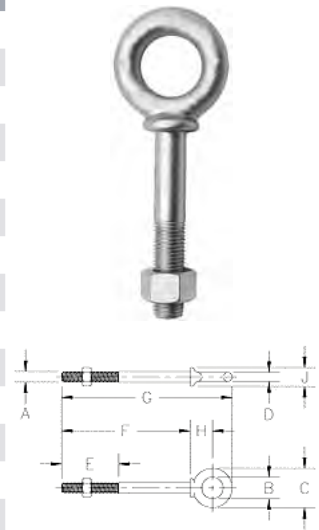
Size	Working Load Limit (lbs)	Dim. A (")	Dim. B (")	Dim. C (")	Dim. D (")	Dim. E (")	Dim. F (")	Item Number
3/16	1/3	.38	.25	.88	.19	.60	.56	31040125
1/4	1/2	.47	.31	1.13	.25	.78	.61	31040052
5/16	3/4	.53	.38	1.22	.31	.84	.75	31040055
3/8	1	.66	.44	1.44	.38	1.03	.91	31040054
7/16	1 1/2	.75	.50	1.69	.44	1.16	1.06	31040096
1/2	2	.81	.63	1.88	.50	1.31	1.19	31040051
5/8	3 1/4	1.06	.75	2.38	.63	1.69	1.50	31040056
3/4	4 3/4	1.25	.88	2.81	.75	2.00	1.81	31040053
7/8	6 1/2	1.44	1.00	3.31	.88	2.28	2.09	31040057
1	8 1/2	1.69	1.13	3.75	1.00	2.69	2.38	31040050
1 1/8	9 1/2	1.81	1.25	4.25	1.16	2.91	2.69	31040059
1 1/4	12	2.03	1.38	4.69	1.29	3.25	3.00	31040058
1 3/8	13 1/2	2.25	1.50	5.25	1.42	3.63	3.31	31040006
1 1/2	17	2.38	1.63	5.75	1.54	3.88	3.63	31040098
1 3/4	25	2.88	2.00	7.00	1.84	5.00	4.19	31043021
2	35	3.25	2.25	7.75	2.08	5.75	4.81	31040209



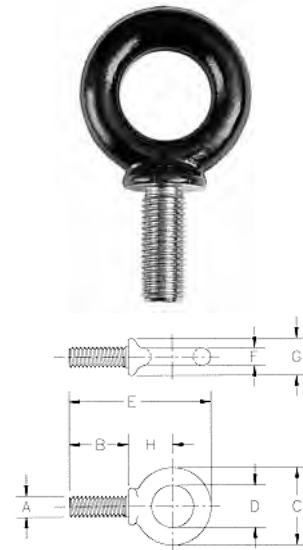
Bolt Type Anchor Shackles

Size	Working Load Limit (lbs)	Dim. A (")	Dim. B (")	Dim. C (")	Dim. D (")	Dim. E (")	Dim. F (")	Item Number
3/16	1/3	.38	.25	.88	.19	.60	.56	31043029
1/4	1/2	.47	.31	1.13	.25	.78	.61	31043030
5/16	3/4	.53	.38	1.22	.31	.84	.75	31043031
3/8	1	.66	.44	1.44	.38	1.03	.91	31040273
7/16	1 1/2	.75	.50	1.69	.44	1.61	1.06	31043032
1/2	2	.81	.63	1.88	.50	1.31	1.19	31040013
5/8	3 1/4	1.06	.75	2.38	.63	1.69	1.50	31040049
3/4	4 3/4	1.25	.88	2.81	.75	2.00	1.81	31040062
7/8	6 1/2	1.44	1.00	3.31	.88	2.28	2.09	31040100
1	8 1/2	1.69	1.13	3.75	1.00	2.69	2.38	31040005
1-1/8	9 1/2	1.81	1.25	4.25	1.13	2.91	2.69	31040280
1-1/4	12	2.03	1.38	4.69	1.25	3.25	3.00	31040136
1-3/8	13 1/2	2.25	1.50	5.25	1.38	3.63	3.31	31040308
1-1/2	17	2.38	1.63	5.75	1.50	3.88	3.63	31040277
1-3/4	25	2.88	2.00	7.00	1.75	5.00	4.19	31040249
2	35	3.25	2.25	7.75	2.00	5.75	4.81	31040297

Shank Dia. And Length (")	Working Load Limit (lbs)	Dim. B (")	Dim. E (")	Item Number
1/4 x 2	650	.50	1.50	04020073
1/4 x 4	650	.50	2.50	04020066
5/16 x 2 1/4	1200	.62	1.50	04020032
5/16 x 4 1/4	1200	.62	2.50	04020030
3/8 x 2 1/2	1550	.75	1.50	04020068
3/8 x 4 1/2	1550	.75	2.50	04020062
1/2 x 3 1/4	2600	1.00	1.50	04020108
1/2 x 6	2600	1.00	3.00	04020093
5/8 x 4	5200	1.25	2.00	04020113
5/8 x 6	5200	1.25	3.00	04020117
3/4 x 4 1/2	7200	1.50	2.00	04020208
3/4 x 6	7200	1.50	3.00	04020014
7/8 x 5	10600	1.75	2.50	04020211
1 x 6	13300	2.00	3.00	04020212
1 x 9	13300	2.00	4.00	04020153

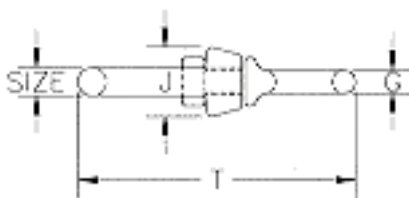
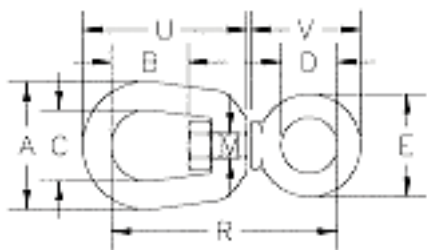


Shank Dia. And Length (")	Working Load Limit (lbs)	Dim. B (")	Dim. D (")	Item Number
1/4 x 1	650	1.02	.75	04020216
5/16 x 1 1/8	1200	1.15	.88	04020217
3/8 x 1 1/4	1550	1.27	1.00	04020218
1/2 x 1 1/2	2600	1.53	1.19	04020219
5/8 x 1 3/4	5200	1.79	1.38	04020220
3/4 x 2	7200	2.05	1.50	04020197
7/8 x 2 1/4	10600	2.31	1.75	04020221
1 x 2 1/2	13300	2.57	2.00	04020222

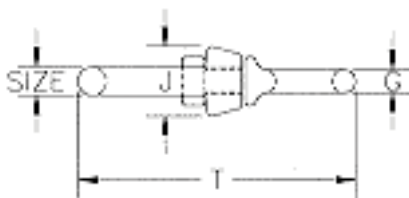
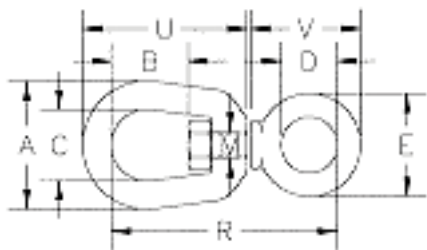


Std. Tap Size	WLL	Item Number
1/4	520	04120210
3/8	1250	04120211
1/2	2250	04120178
5/8	3600	04120212
3/4	5200	04120006
7/8	7200	04120213
1	10000	04120214
1-1/4	15500	04120215
1-3/8	18500	04120216
1-1/2	22500	04120217
2	40000	04120218

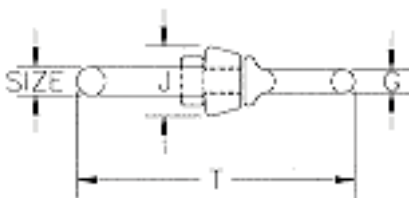
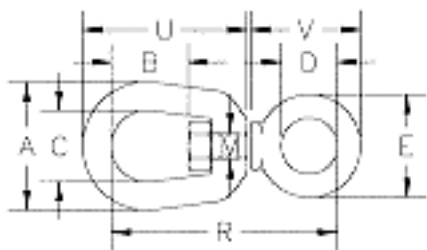




Size (")	Working Load Limit* (lbs)	Dimensions (")									Item Number
		A	B	C	D	J	M	R	S	T	
1/4	850	1.25	.69	.75	1.06	.69	.31	2.94	1.69	3.44	34050084
5/16	1250	1.63	.81	1.00	1.25	.81	.38	3.56	2.06	4.19	34050085
3/8	2250	2.00	.94	1.25	1.50	1.00	.50	4.31	2.50	5.06	34050086
1/2	3600	2.50	1.31	1.50	2.00	1.31	.63	5.44	3.19	6.44	34050087
5/8	5200	3.00	1.56	1.75	2.38	1.50	.75	6.56	3.88	7.81	34050088
3/4	7200	3.50	1.75	2.00	2.63	1.88	.88	7.19	4.31	8.69	34050060



Size (")	Working Load Limit* (lbs)	Dimensions (")													Item Number
		A	B	C	G	J	K	L	M	N	P	R	T	U	
1/4	850	1.25	.69	.75	.69	.69	.47	1.03	.31	.88	.25	2.63	3.38	1.69	34040039
5/16	1250	1.63	.81	1.00	.81	.81	.50	1.13	.38	.88	.31	2.94	3.88	2.06	34040011
3/8	2250	2.00	.94	1.25	1.00	1.00	.63	1.41	.50	1.06	.38	3.63	4.75	2.50	34040040
1/2	3600	2.50	1.31	1.50	1.31	1.31	.75	1.75	.63	1.31	.50	4.50	6.06	3.19	34040012
5/8	5200	3.00	1.56	1.75	1.63	1.50	.94	2.06	.75	1.50	.63	5.31	7.31	3.88	34040013
3/4	7200	3.50	1.75	2.00	1.88	1.88	1.13	2.53	.88	1.75	.75	6.06	8.31	4.31	34040003



Size (")	Working Load Limit* (lbs)	Dimensions (")											Item Number
		A	B	C	D	E	G	J	M	R	T	U	
1/4	850	1.25	.69	.75	.62	1.12	.25	.69	.31	2.25	2.75	1.69	34040028
5/16	1250	1.63	.81	1.00	.75	1.38	.31	.81	.38	2.72	3.34	2.06	34040029
3/8	2500	2.00	.94	1.25	1.00	1.75	.38	1.00	.50	3.44	4.19	2.50	34040030
1/2	3600	2.50	1.31	1.50	1.25	2.25	.50	1.31	.63	4.25	5.25	3.19	34040031
5/8	5200	3.00	1.56	1.75	1.50	2.75	.62	1.50	.75	5.13	6.31	3.88	34040032
3/4	7200	3.50	1.75	2.00	1.75	3.25	.75	1.80	.88	5.78	7.22	4.94	34040033

Specialty Lifting Devices

IMP Group has a full range of special lifting devices for your specific requirement.

Spreader Beam



Coil Hook



Trolley 633



Hoist 637



Other Lifting Devices Offered:

- Western Blocks
- Oilfield Drilling Blocks
- Ratchet Pullers
- Tackle Blocks
- Drum Lifters
- Sheaves
- Custom Design Hooks
- Barrier Grabs

Hoist Ring HR125



Plate Clamp



the Crosby® group



Crosby is your single source for accessories used in the lifting and material handling industry with the highest levels of quality control available

Recognized Dependability

Crosby is considered the standard of the industry. Crosby products are manufactured with the highest design factors in the industry. Crosby products are better able to withstand abusive field conditions because of the improved impact and fatigue characteristics designed into each item of our line.

Crosby recognizes the importance of four essential performance properties in its products:

- Working Load Limit

- Ductility
- Fatigue
- Toughness

Engineering Excellence

Engineering is the application of scientific principles to practical ends in the design, construction and use of equipment and systems. Crosby engineers its product to perform. The applications of the following items are an example of the available engineering expertise that has resulted in Crosby being considered the standard of the industry

- Proper selection of material and heat treatment process that allows for superior strength and impact performance.

- Active participants in professional societies and committees including ASTM, CVSA, API, ASM and ANSI.

- Extensive expertise in computer aided design (CAD), Finite Element Analysis, Non-Destructive Testing and Failure Analysis of Products.

- ISO 9001 Certified.

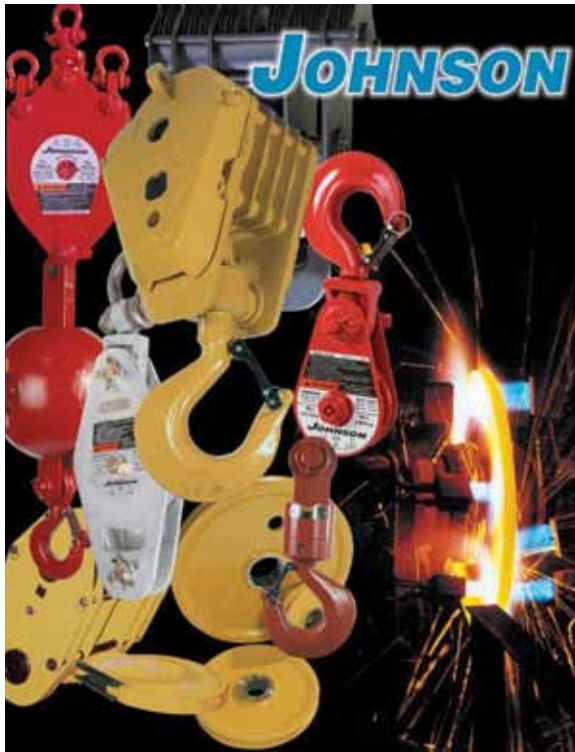
Quality Control

The majority of the steel purchased by Crosby is isolated from production until approved by our metallurgical lab. Each product is individually "PIC Coded" (Product Identification Code) to allow traceability to its respective date of production and material certification.



GUNNEBO JOHNSON

CORPORATION

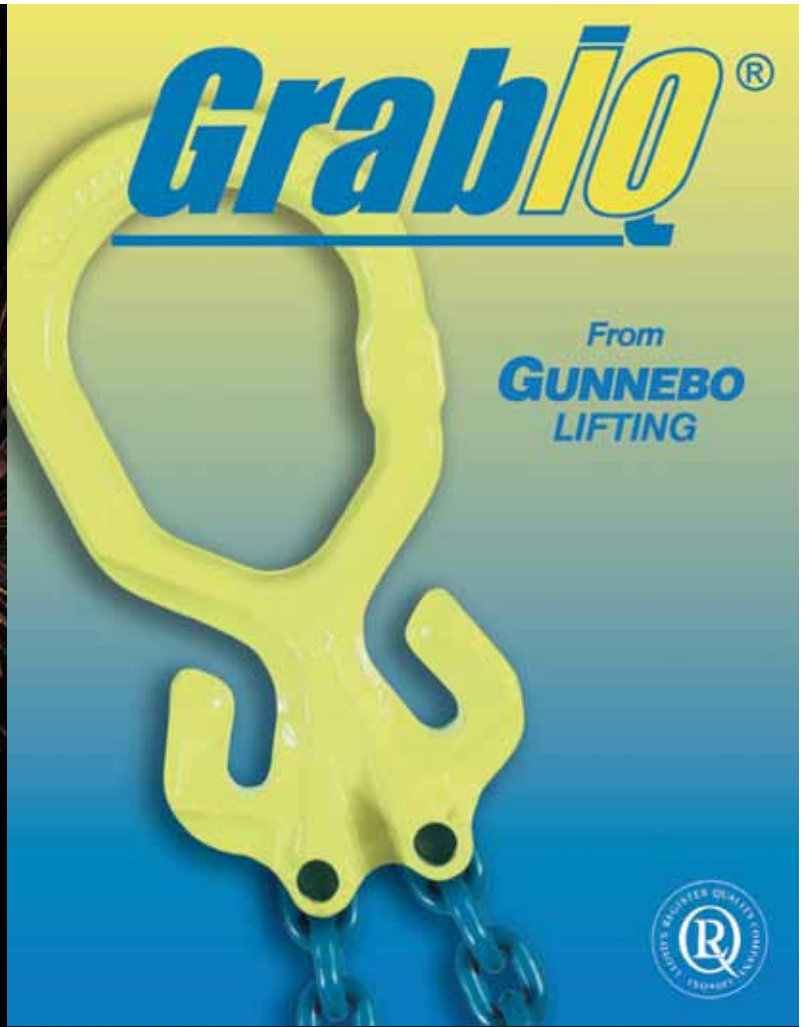


JOHNSON

GUNNEBO
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Classic
GRADE 80 & GRADE 100



Grablo®

From
GUNNEBO
LIFTING



LIFTING
HARDWARE

Inspection Services

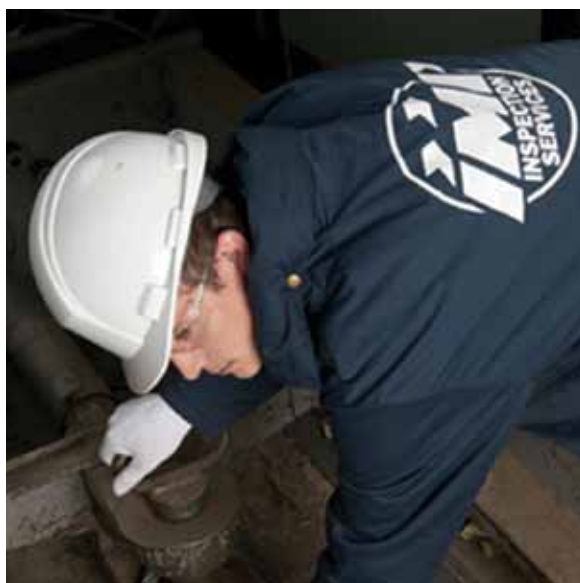
IMP Group Inspection Services has one of the most advanced testing and inspection services in Atlantic Canada. We employ highly trained and factory certified inspection technicians for the servicing of related products. Our staff undergoes training on an ongoing basis to maintain a high level of service

We provide an online certification program which has 24-hour access as well as a record of all recorded equipment sorted by customer specifications. The online certification program includes anniversary dates for upcoming inspections and colour-coded reminders of future inspections

Inspection Services provides comprehensive lifting equipment inspection services covering all aspects of all fixed and loose lifting equipment including but not limited to:

- Wire Rope Slings
- Nylon Slings
- Chain Slings
- Shackles
- Hooks
- Turnbuckles
- Blocks
- Swivels
- Links and Rings
- Eyebolts
- Chain Hoists and Pulleys
- Come-along
- Body Harnesses
- Lanyards

IMP Group Inspection Services has established a reputation of providing quality around the clock service and demonstrates a long-term commitment to providing quality services to Atlantic Canada's Industrial, Offshore and Utility industries



TECHNICAL INFORMATION

Product Safety: Instructions and Warnings on the use of steel wire rope

The following Instructions and Warnings combine to form guidance on Product Safety and are intended for use by those with a working knowledge of wire as well as the new user. They should be read, followed and passed on to others.

Failure to read, understand and follow these instructions could result in harmful and damaging consequences.

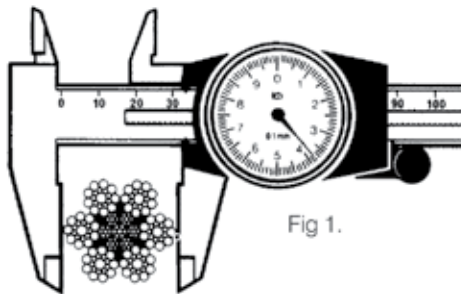
A “**Warning**” ⚠ statement indicates a potential hazardous situation which could result in a significant reduction in rope performance and/or put at risk, either directly or indirectly, the safety or health of those persons within the danger zone of the rope and its associated equipment.

Storage

Unwrap the rope and examine immediately after delivery to verify that it is in accordance with the details on delivery documents.

Measurement of rope diameter should be carried out as shown in Fig 1.

Select a clean, well ventilated, dry area for storage, cover with waterproof material if conditions preclude inside storage. Rotate the reel periodically during long periods of storage, particularly in warm environments, to prevent migration of lubricant from the rope.



Warning ⚠ Never store wire rope in areas subject to elevated temperatures as this may seriously affect its future performance. In extreme cases its original as-manufactured strength may be severely reduced rendering it unfit for safe use.

Support the reel clear of the floor so that there is a clear passage of air under the reel. Ensure that the rope is stored where it is not likely to be affected by chemical fumes, steam or other corrosive agents.

Warning ⚠ Failure to do so may result in the rope becoming contaminated with foreign matter and start the onset of corrosion before the rope is put to work.

Ensure the rope is stored and protected in such a way that it will not be exposed to accidental damage either during storage or in placing the rope into or taking it out of storage.

Handling and Installation

Handling and installation of the rope should be carried out in accordance with a detailed plan and should be supervised by a competent person. Suitable protective clothing and equipment should be worn.

Warning ⚠ Incorrectly supervised handling and installation procedures may result in serious injury to persons in the vicinity of the operation as well as those directly involved in the process.

Before Installation

Examine the rope visually to ensure that no damage or deterioration has occurred during storage or transportation. Check the working area for potential hazards that may affect the safe installation of the rope. Check the condition of the rope related equipment on the vessel. Include the following:

Drum

Check the general condition of the winch drum to ensure that it is in good condition with no damage or areas that will cause damage to the rope.

Sheaves (Pulleys)

Ensure that the groove is the correct shape and size for the new rope. Check that sheaves are free to rotate and in good condition. When a new rope is fitted a variation in size compared with the old worn rope will be apparent. The new rope may not fit correctly into the previously worn groove profile and unnecessary wear and rope damage may occur. This may be remedied by machining out the grooves before the new rope is fitted. Before this is done care should be taken to ensure that sufficient material is present to maintain strength in the sheave after machining.

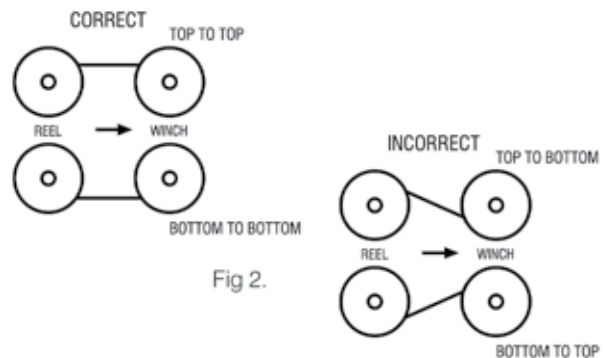
Structure

Ensure that no part of the vessel's steelwork is positioned such that it will lie in the path of the rope between the installation drum and winch

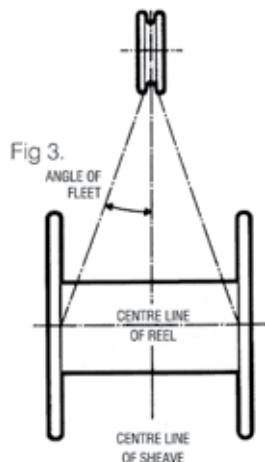
Warning ⚠ Failure to carry out any of the above could result in unsatisfactory and unsafe rope performance.

Installation

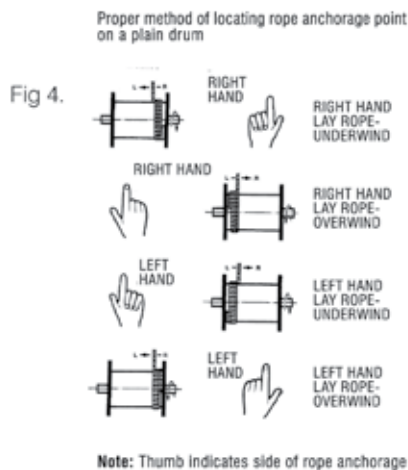
Installation of the rope should be carried out in the following manner: Pass a shaft through the reel and place the reel in a suitable stand that allows it to rotate and be braked to avoid overrun during installation. The rope must be transferred from reel to winch drum in the correct manner, top to top or bottom to bottom. Fig 2



The reel stand should be positioned to maintain a maximum fleet angle of 1.5 degrees. Correct block alignment and control of fleet angle is essential to avoid inducing “turn” in the rope Fig 3



The direction of coiling on the drum is important and should be related to the direction of lay of the rope to ensure close coiling. The correct method of locating the rope anchorage point on the winch drum is shown in Fig 4



Warning ⚠ Any looseness or uneven winding will result in excessive wear, crushing and distortion of the rope.

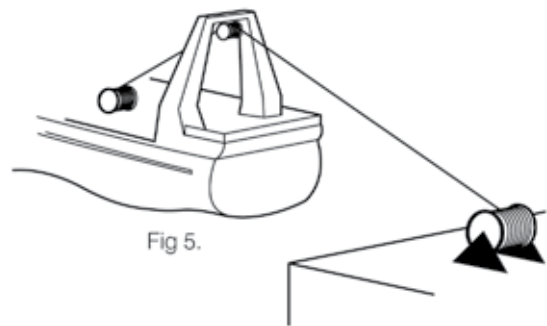
Ensure that the as-manufactured condition of the rope is maintained throughout the whole of the handling and installation operation.

Warning ⚠ Irregular coiling usually results in severe surface wear and rope malformation, which in turn is likely to cause premature rope failure

Larger Vessels

For larger vessels with auto trawl systems and longer rope lengths the rope must be installed under as much tension as is safe and practical to ensure that the “under layers” are wound tightly on the drum. We would recommend applying 5-10% of the M.B.L of the rope as back tension, when installing the rope onto the winch. A suitably anchored spooling machine may be used. Fig 5

Warning ⚠ Failure to carry out this procedure will allow movement



and crushing of the rope on the drum.

Smaller Vessels

Smaller vessels with simple winch systems and shorter rope lengths may install ropes using a braked reel, go to sea shoot the gear and use the tension generated to achieve good spooling. NB Twin rigged vessels with three drums on one shaft must ensure that all three ropes are installed and tensioned simultaneously to avoid spooling irregularities.

Ensure that the outboard end of the rope is released from the reel in a controlled manner. On release of the bindings used for packaging the rope will want to straighten, unless controlled this could be a violent action. Stand clear.

Warning ⚠ Failure to control could result in injury.

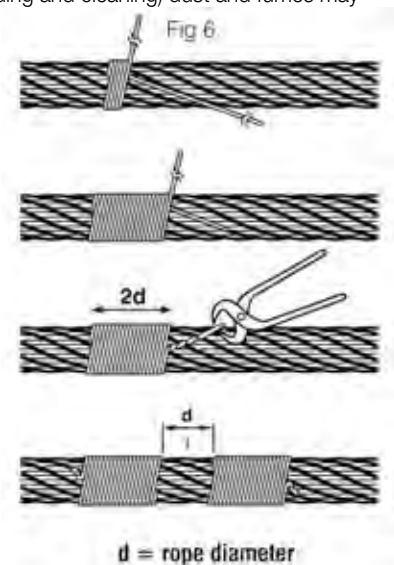
Care must be taken to avoid free end rotation of the rope end, which may cause un-laying or elongation.

Take particular care when the rope has to be cut. Apply secure servings on both sides of the cut mark using wire or strong twine. Each serving should be at least two rope diameters. Arrange and position the rope in such a manner that when cut the rope ends will remain in position, avoiding any backlash or other undesirable movement. Fig 6

Warning ⚠ Rope produced from carbon steel wires in the form shipped is not considered a health hazard. During subsequent processing (e.g. cutting, grinding and cleaning) dust and fumes may be produced which contain elements which may affect exposed workers.

Ideally cut the rope with an abrasive disc cutter, other suitable mechanical and hydraulic shearing equipment may be used if necessary. Ensure adequate ventilation during cutting to avoid any build up of fumes from the rope or any of its constituents.

Warning ⚠ Some special ropes contain synthetic material which, when heated to temperatures above normal processing temperatures may decompose and give off toxic fumes.



Troubleshooting Guide

1. Mechanical damage due to rope movement over sharp edge projection whilst under load



2. Localised wear due to abrasion on supporting structure



3. Narrow path of wear resulting in fatigue fractures, caused by working in a grossly oversize groove, or over small support rollers



4. Two parallel paths of broken wires indicative of bending through an undersize groove in the sheave



5. Severe wear, associated with high tread pressure



6. Severe wear in Lang's Lay, caused by abrasion



7. Severe corrosion



8. Internal corrosion whilst external surface shows little evidence of deterioration



9. Typical wire fractures as a result of bend fatigue



10. Wire fractures at the strand, or core interface, as distinct from 'crown' fractures



11. Break up of IWRC resulting from high stress application



12. Looped wires as a result of torsional imbalance and/or shock loading



13. Typical example of localised wear and deformation



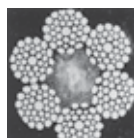
14. Multi strand rope 'bird caged' due to torsional imbalance



15. Protrusion of rope centre resulting from build up of turn



16. Substantial wear and severe internal corrosion



Troubleshooting Guide

The following is a simplified guide to common wire rope problems. More detailed advice can be obtained by contacting one of knowledgeable Sales Representatives. In the event of no other standard being applicable, IMP Group Ltd recommends that ropes are inspected/examined in accordance with ISO 4309

Problem

Mechanical damage caused by the rope contacting the structure of the installation on which it is operating or an external structure - usually of a localised nature



Opening of strands in rotation resistant, low rotation and parallel closed ropes - in extreme circumstances the rope may develop a “birdcage distortion” or protrusion of inner strands

Note: Rotation resistant and low rotation ropes are designed with a specific strand gap which may be apparent on delivery in an off tension condition. These gaps will close under load and will have no effect on the operational performance of the rope



Broken wires or crushed or flattened rope on lower layers at crossover points in multi - layer coiling situations

Wire breaks usually resulting from crushing or abrasion



Wires looping from strands



Cause/Action

- Generally results from operational conditions
- Check sheave guards and support/guide sheaves to ensure that the rope has not “jumped out” of the intended reeving system
- Review operating conditions
- Check sheave and drum groove radii using sheave gauge to ensure that they are no smaller than nominal rope radius +5% - Recommended that the sheave and drum groove radii are checked prior to any rope installation
- Repair or replace drum/sheaves if necessary
- Check fleet angles in the reeving system - a fleet angle in excess of 1.5 degrees may cause distortion
- Check installation method - turn induced during installation can cause excessive rope rotation resulting in distortion
- Check if the rope has been cut “on site “ prior to installation or cut to remove a damaged portion from the end of the rope. If so, was the correct cutting procedure used? Incorrect cutting of rotation resistant, low rotation and parallel closed ropes can cause distortion in operation
- Rope may have experienced a shock load
- Check tension on underlying layers. Recommended that an installation tension of between 2% and 10% of the minimum breaking force of the wire rope. Care should be taken to ensure that tension is retained in service. Insufficient tension will result in these lower layers being more prone to crushing damage
- Review wire rope construction. Dyform wire ropes are more resistant to crushing on underlying layers than conventional rope constructions
- Do not use more rope than necessary
- Check drum diameter. Insufficient bending ratio increases tread pressure
- Insufficient service dressing
- Consider alternative rope construction
- If wires are looping out of the rope underneath a crossover point, there may be insufficient tension on the lower wraps on the drum
- Check for areas of rope crushing or distortion.

Problem

"Pigtail" or severe spiralling in rope.



Two single axial lines of broken wires running along the length of the rope approximately 120 degrees apart indicating that the rope is being "nipped" in a tight sheave



One line of broken wires running along the length of the rope indicating insufficient support for the rope, generally caused by oversize sheave or drum grooving



Short rope life resulting from evenly/randomly distributed bend fatigue wire breaks caused by bending through the reeving system

Fatigue induced wire breaks are characterised by flat ends on the broken wires



Short rope life resulting from localised bend fatigue wire breaks

Fatigue induced wire breaks are characterised by flat ends on the broken wires



Cause/Action

- Check that the sheave and drum diameter is large enough - Recommended minimum ratio of the drum/sheave to nominal rope diameter of 18:1
- Indicates that the rope has run over a small radius or sharp edge
- Check to see if the rope has "jumped off" a sheave and has run over a shaft
- Check sheave and drum groove radii using sheave gauge to ensure that they are no smaller than nominal rope radius + 5% - Recommended that the sheave/drum groove radii are checked prior to any rope installation
- Repair or replace drum/sheaves if necessary
- Check to see if the groove diameter is no greater than 15% greater than the nominal rope diameter
- Repair or replace drum/sheaves if necessary
- Check for contact damage
- Bending fatigue is accelerated as the load increases and as the bending radius decreases. Consider whether either factor can be improved
- Check wire rope construction - Dyform ropes are capable of doubling the bending fatigue life of a conventional steel wire rope
- Bending fatigue is accelerated as the load increases and as the bending radius decreases. Consider whether either factor can be improved
- Check wire rope construction - Dyform ropes are capable of doubling the bending fatigue life of a conventional steel wire rope
- Localised fatigue breaks indicate continuous repetitive bends over a short length. Consider whether it is economic to periodically shorten the rope in order to move the rope through the system and progressively expose fresh rope to the severe bending zone. In order to facilitate this procedure it may be necessary to begin operating with a slightly longer length of rope

Problem

Core protrusion or broken core in single layer six or eight strand rope



Cause/Action

- Caused by repetitive shock loading - review operating conditions

Rope accumulating or “stacking” at drum flange - due to insufficient fleet angle.



- Review drum design with original equipment manufacturer - consider adding rope kicker, fleeting sheave etc

Sunken wraps of rope on the drum normally associated with insufficient support from lower layers of rope or grooving



- Check correct rope diameter
- If grooved drum check groove pitch
- Check tension on underlying layers - Recommend that an installation tension of between 2% and 10% of the minimum breaking force of the wire rope - Care should be taken to ensure that tension is retained in service. Insufficient tension will result in these lower layers being more prone to crushing damage
- Make sure that the correct rope length is being used
- Too much rope (which may not be necessary) may aggravate the problem
- Check fleet angle to drum
- Check general alignment of sheaves in the reeving system
- Check that all sheaves are free to rotate
- Review rope selection. The smooth surface of Dyform wire ropes gives better contact with drum and sheaves and offers improved resistance to “interference” between adjacent laps of rope
- Consider selection of galvanised rope
- Review level and type of service dressing

Short rope life induced by excessive wear and abrasion



External corrosion



Internal corrosion



- Consider selection of galvanised rope
- Review frequency amount and type of service dressing
- Consider selection of plastic impregnated (PI) wire rope

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